09089083 020702

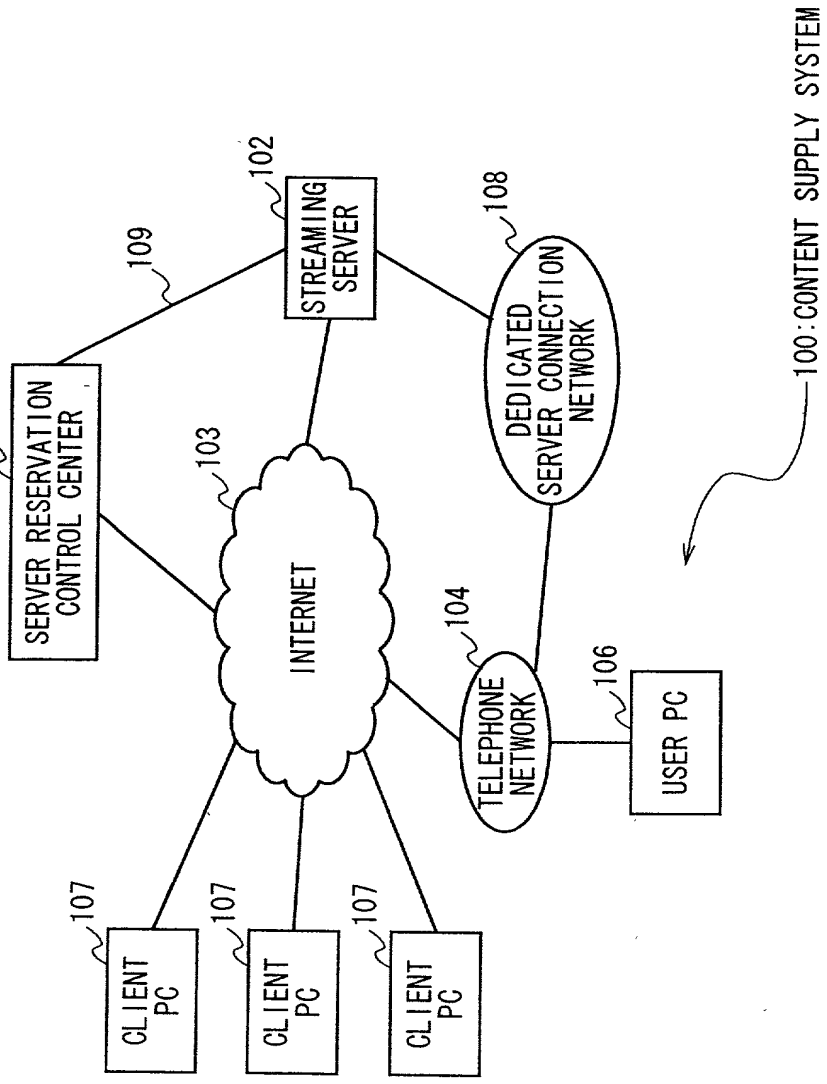


FIG. 1

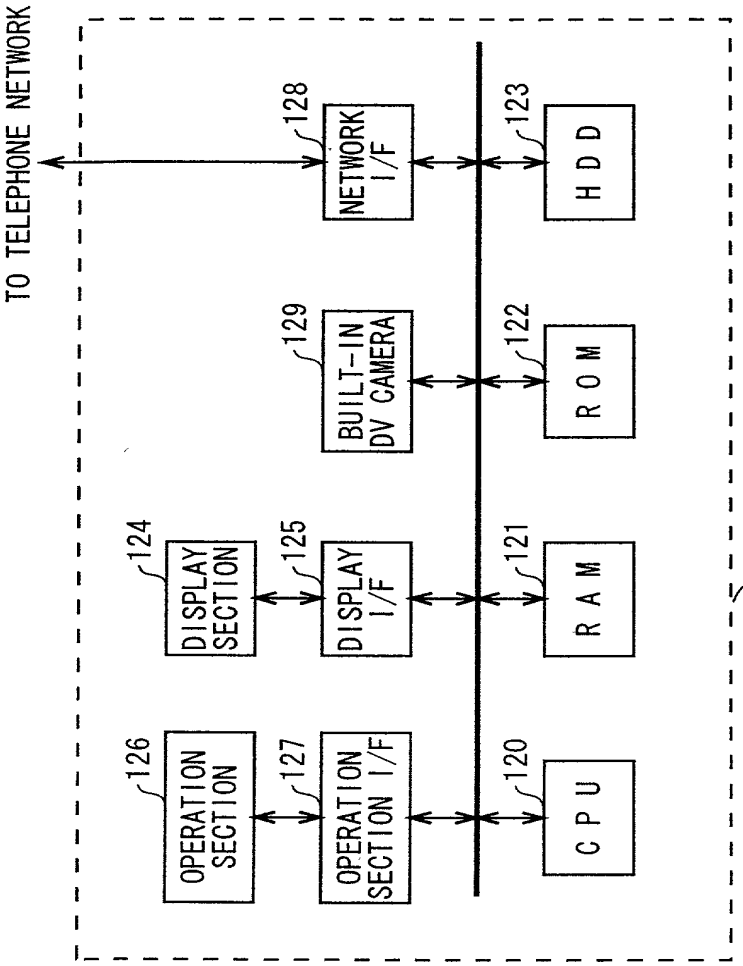

TO TELEPHONE NETWORK
128
NETWORK I/F
123
HDD
129
BUILT-IN DV CAMERA
122
ROM
124
DISPLAY SECTION
125
DISPLAY I/F
121
RAM
126
OPERATION SECTION
127
OPERATION SECTION I/F
120
CPU
106:USER PC

FIG. 2

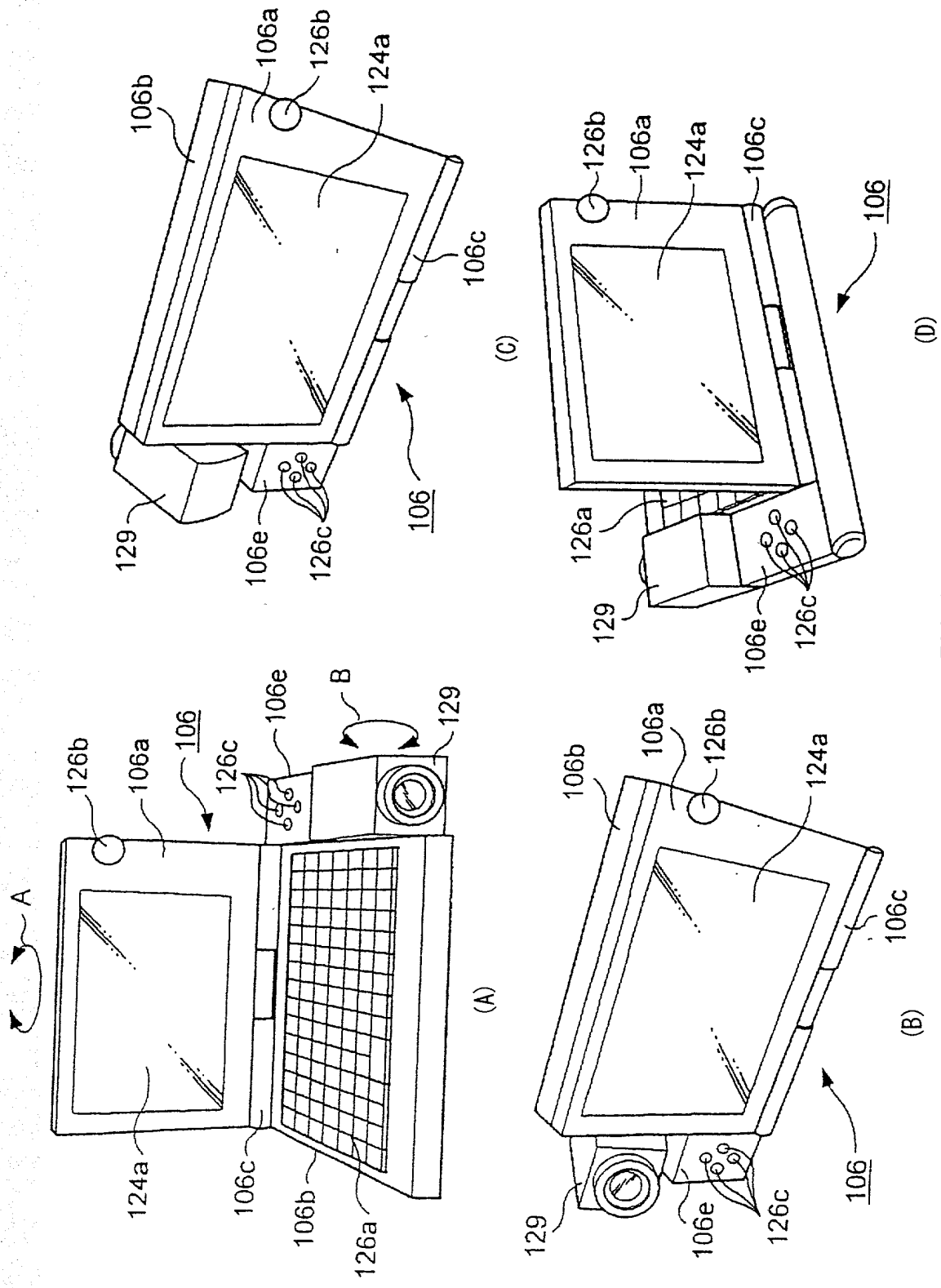

106a
126b
124a
106b
106c
129
106e
126c
106
(C)
126b
106a
124a
106c
106
126a
129
106e
126c
(D)
A
126b
106a
106
126c
106e
B
129
124a
106c
106b
126a
(A)
106b
106a
126b
124a
106c
129
106e
126c
106
(B)

FIG. 3

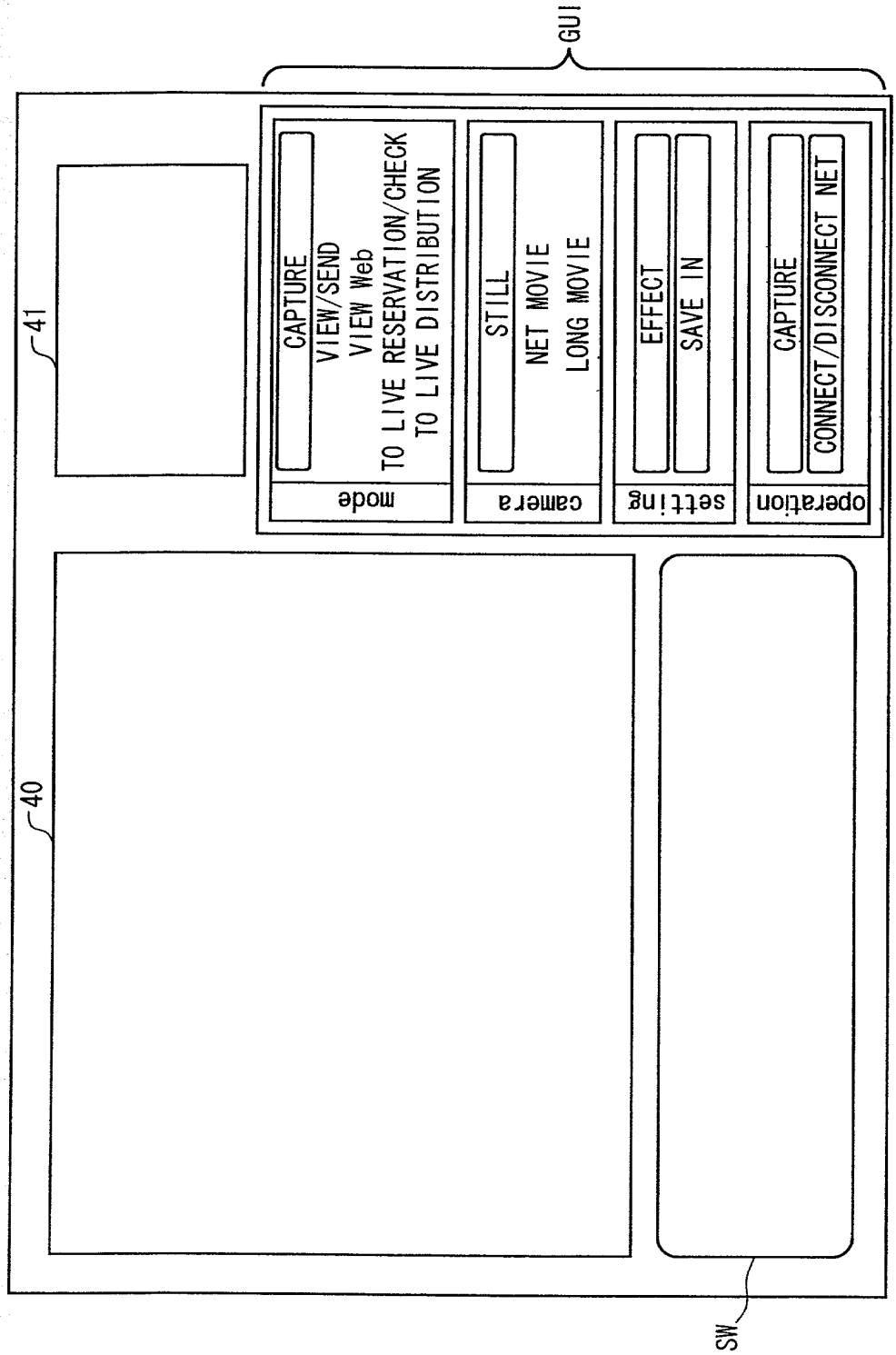
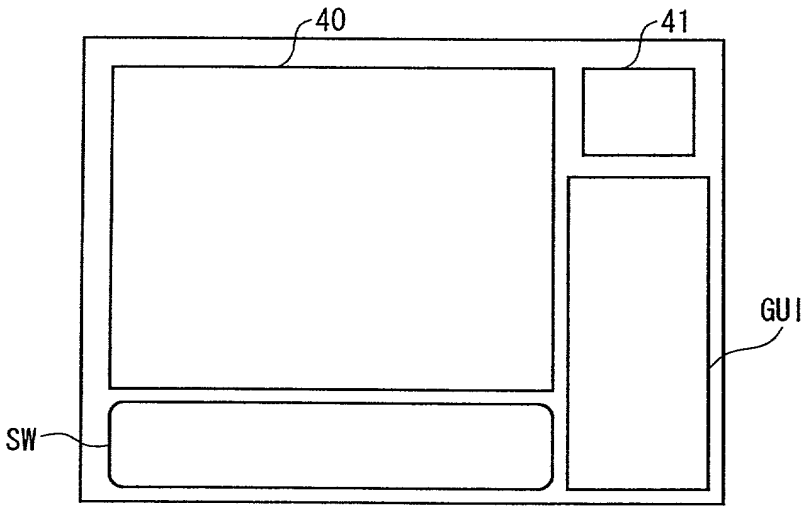
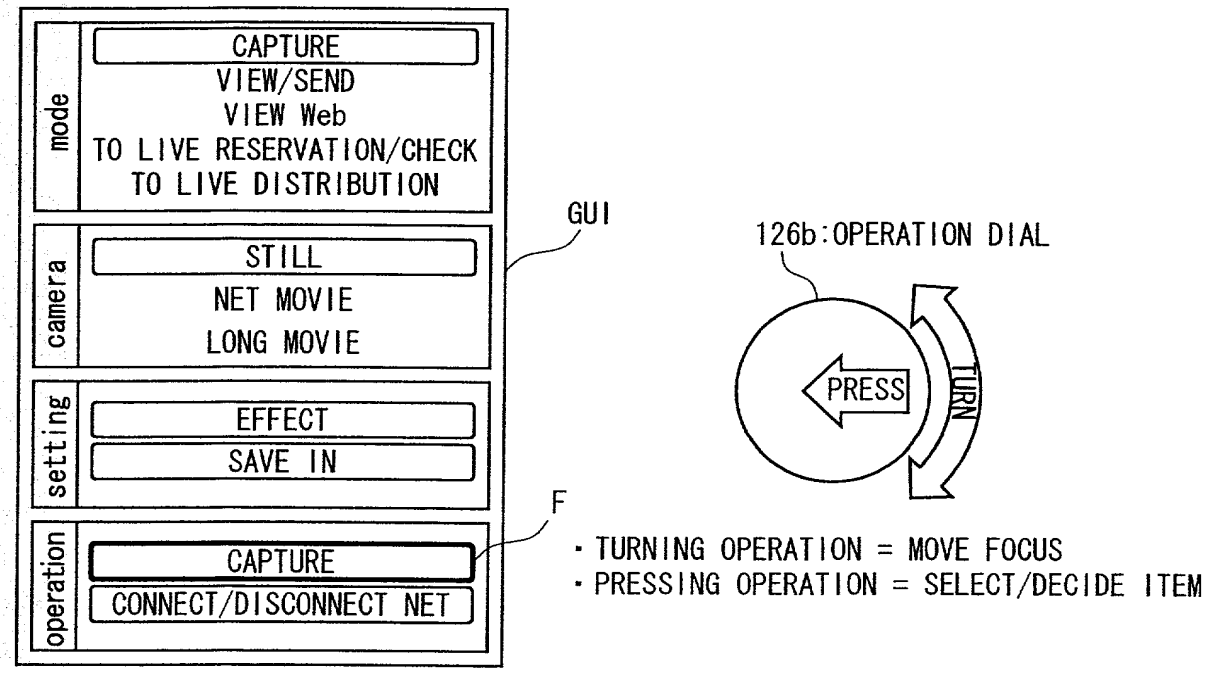

GUI
41
40
SW
mode
CAPTURE
VIEW/SEND
VIEW Web
TO LIVE RESERVATION/CHECK
TO LIVE DISTRIBUTION
camera
STILL
NET MOVIE
LONG MOVIE
setting
EFFECT
SAVE IN
operation
CAPTURE
CONNECT/DISCONNECT NET

FIG. 4

10/089083



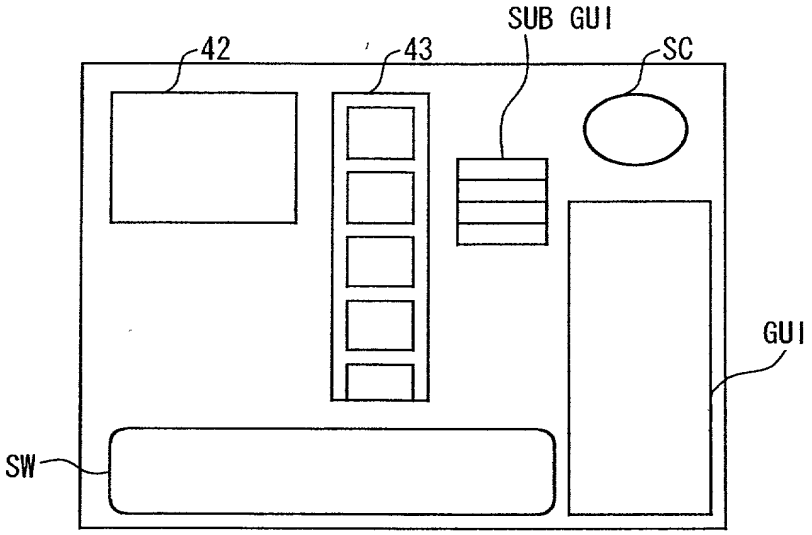
(A)



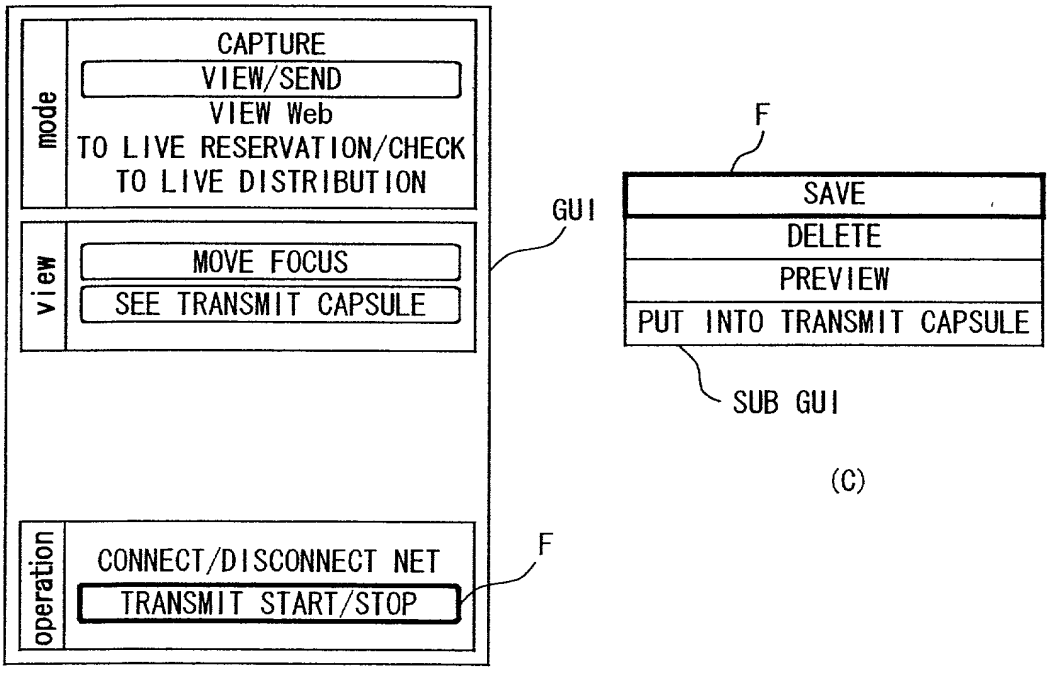
(B)

FIG. 5

DOCKET NO: 2207405



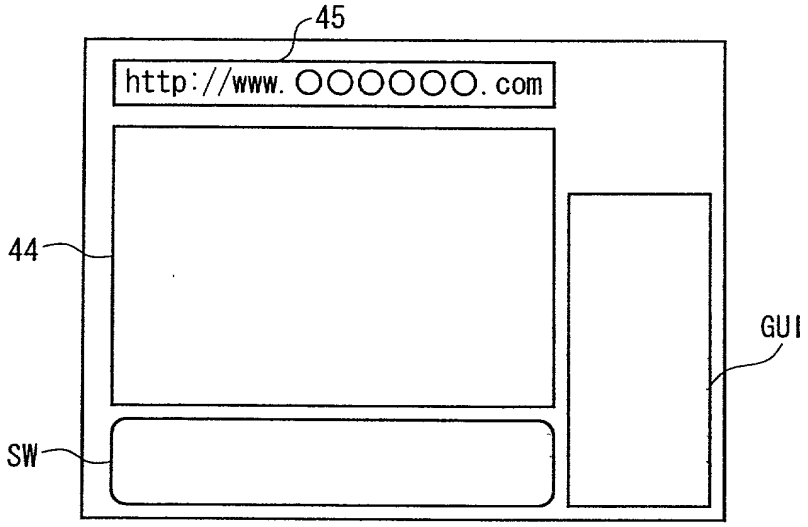
(A)



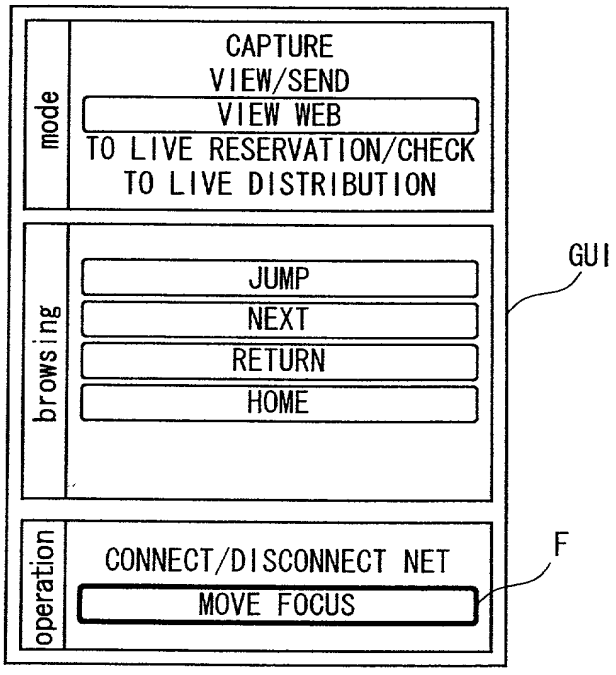
(B)

(C)

FIG. 6

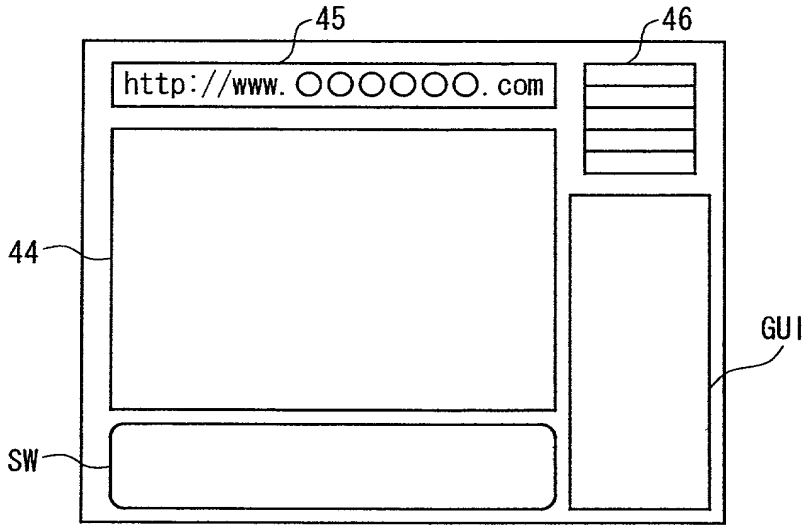

45
http://www.OOOOOO.com
44
GUI
SW

(A)

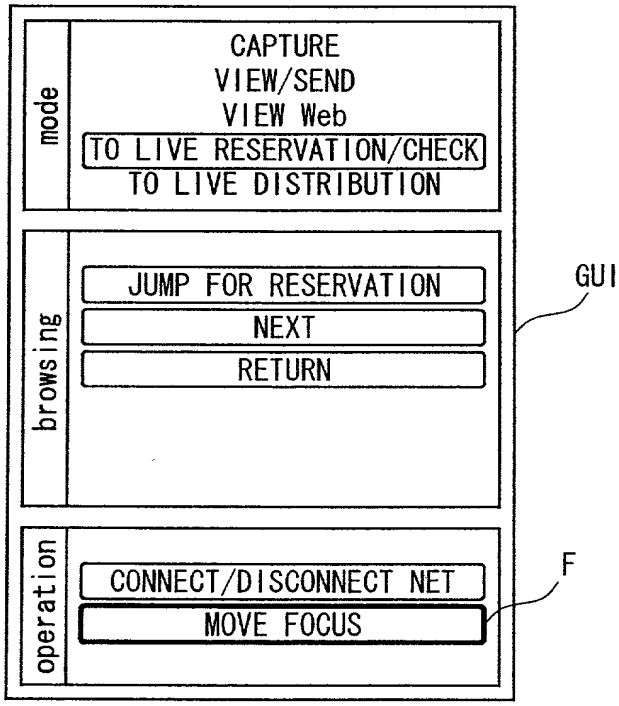

mode
CAPTURE
VIEW/SEND
VIEW WEB
TO LIVE RESERVATION/CHECK
TO LIVE DISTRIBUTION
browsing
JUMP
NEXT
RETURN
HOME
GUI
operation
CONNECT/DISCONNECT NET
MOVE FOCUS
F

(B)

FIG. 7

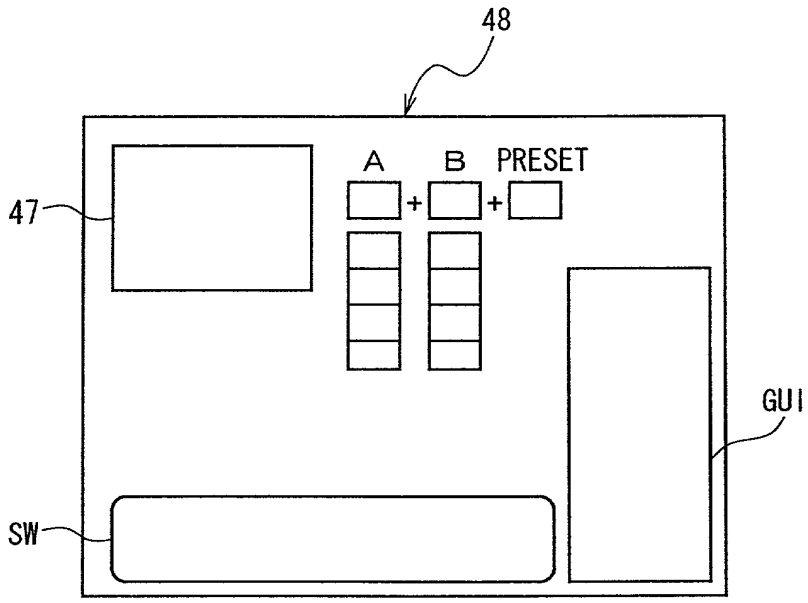

45
46
http://www.OOOOOO.com
44
GUI
SW

(A)

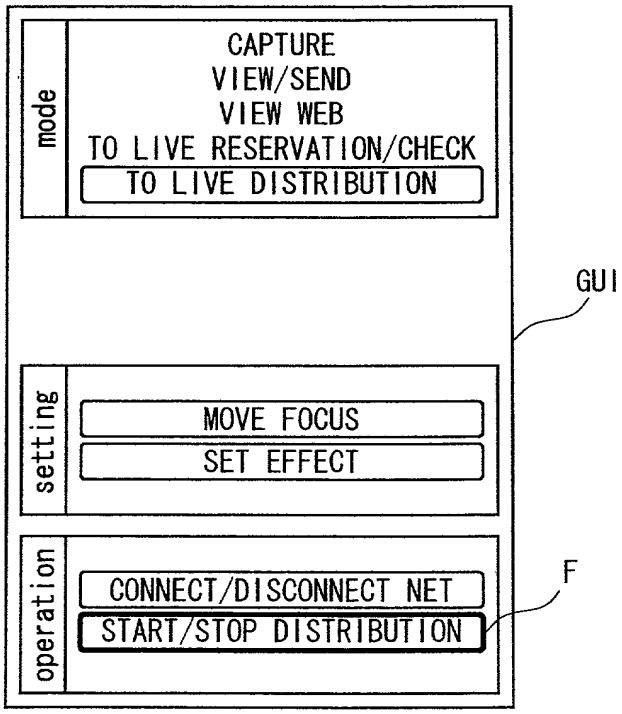

mode
CAPTURE
VIEW/SEND
VIEW Web
TO LIVE RESERVATION/CHECK
TO LIVE DISTRIBUTION
browsing
JUMP FOR RESERVATION
NEXT
RETURN
GUI
operation
CONNECT/DISCONNECT NET
MOVE FOCUS
F

(B)

FIG. 8


48
A
B
PRESET
47
GUI
SW

(A)


mode
CAPTURE
VIEW/SEND
VIEW WEB
TO LIVE RESERVATION/CHECK
TO LIVE DISTRIBUTION
GUI
setting
MOVE FOCUS
SET EFFECT
operation
CONNECT/DISCONNECT NET
START/STOP DISTRIBUTION
F

(B)

FIG. 9

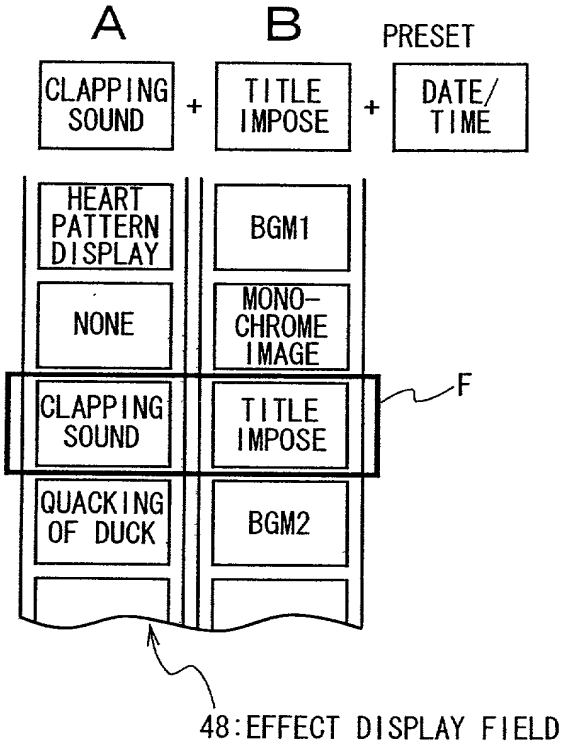

A
B
PRESET
CLAPPING SOUND
+
TITLE IMPOSE
+
DATE/ TIME
HEART PATTERN DISPLAY
BGM1
NONE
MONO-CHROME IMAGE
CLAPPING SOUND
TITLE IMPOSE
F
QUACKING OF DUCK
BGM2
48:EFFECT DISPLAY FIELD

FIG. 10

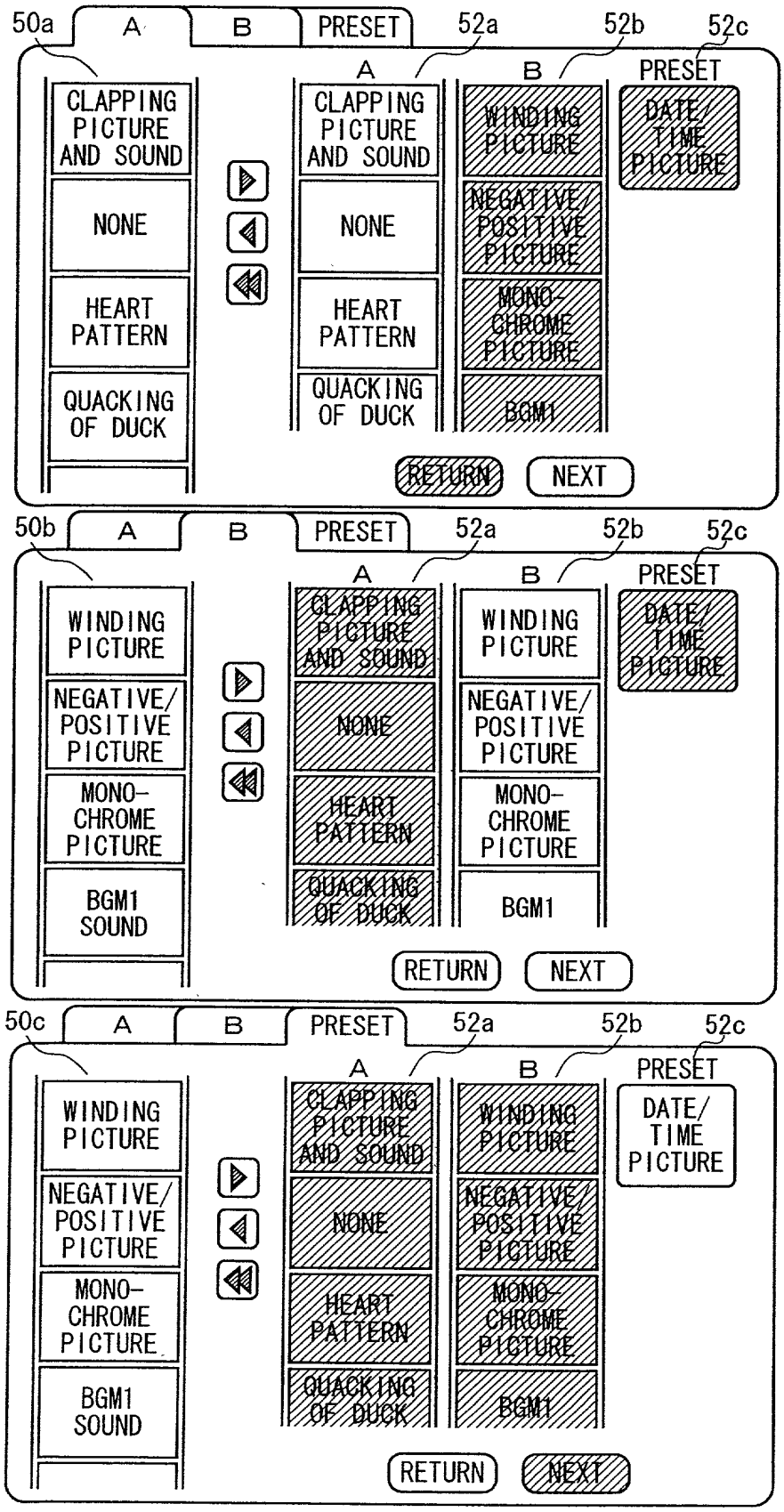

50a
A
B
PRESET
52a
52b
52c
CLAPPING PICTURE AND SOUND
NONE
HEART PATTERN
QUACKING OF DUCK
WINDING PICTURE
NEGATIVE/ POSITIVE PICTURE
MONO- CHROME PICTURE
BGM1
DATE/ TIME PICTURE
RETURN
NEXT
50b
WINDING PICTURE
NEGATIVE/ POSITIVE PICTURE
MONO- CHROME PICTURE
BGM1 SOUND
50c

FIG. 11

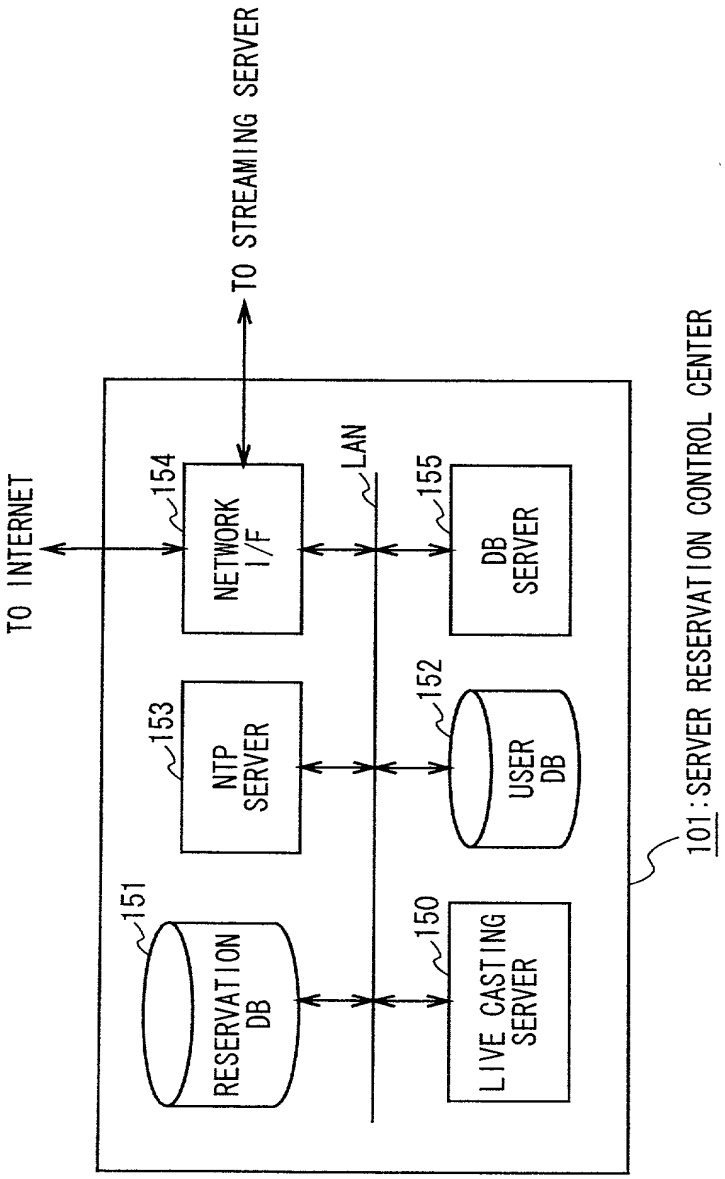

TO STREAMING SERVER
TO INTERNET
154
NETWORK I/F
LAN
155
DB SERVER
153
NTP SERVER
152
USER DB
151
RESERVATION DB
150
LIVE CASTING SERVER
101: SERVER RESERVATION CONTROL CENTER

FIG. 12

20741US.000604

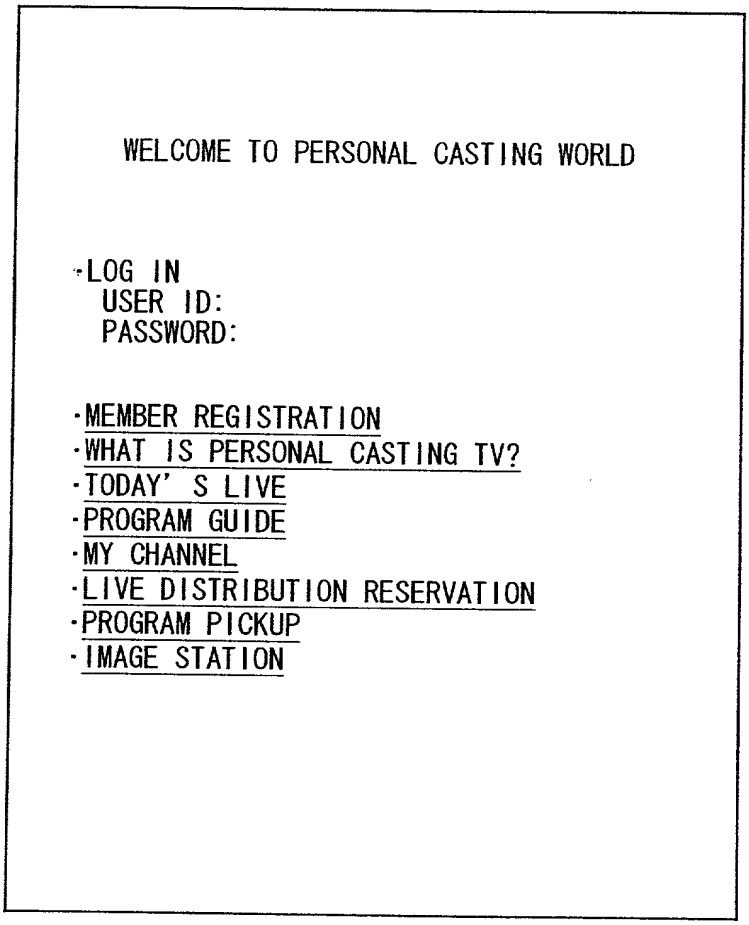


FIG. 13

09089083 050304

REGISTER YOURSELF AS A MEMBER
USING THE PERSONAL CASTING SERVICE REQUIRES YOU TO BE REGISTERED AS A USER...

CLICK HERE TO REGISTER YOURSELF AS A MEMBER >>> LINK TO REGISTRATION PAGE >>>

LIVE DISTRIBUTION ALLOWS YOU TO DO THINGS LIKE
EXAMPLE OF USE

TO CARRY OUT LIVE DISTRIBUTION
CARRYING OUT LIVE DISTRIBUTION REQUIRES A CREDIT CARD.

TO VIEW LIVE
VIEWING LIVE REQUIRES REPLAY SOFTWARE.
IF YOU HAVE NONE, PRESS THE FOLLOWING REPLAY SOFTWARE BUTTON AND DOWNLOAD IT.

REPLAY SOFTWARE

LIVE DISTRIBUTION PROVIDERS MAY PUT RESTRICTIONS ON PEOPLE WHO CAN VIEW LIVES BY OBLIGING THEM TO ENTER PASSWORDS. THESE ARE LIVES THAT THOSE PROVIDERS DISTRIBUTE ONLY FOR SPECIFIC PEOPLE AND OTHER PEOPLE CANNOT VIEW.

PROCEDURE UP TO LIVE DISTRIBUTION
PREMIUM MEMBER REGISTRATION
LIVE PLANNING AND PREPARATION
DISTRIBUTION RESERVATION
RESERVATION CHECK
CONNECTION
DISTRIBUTION START

FIG. 14

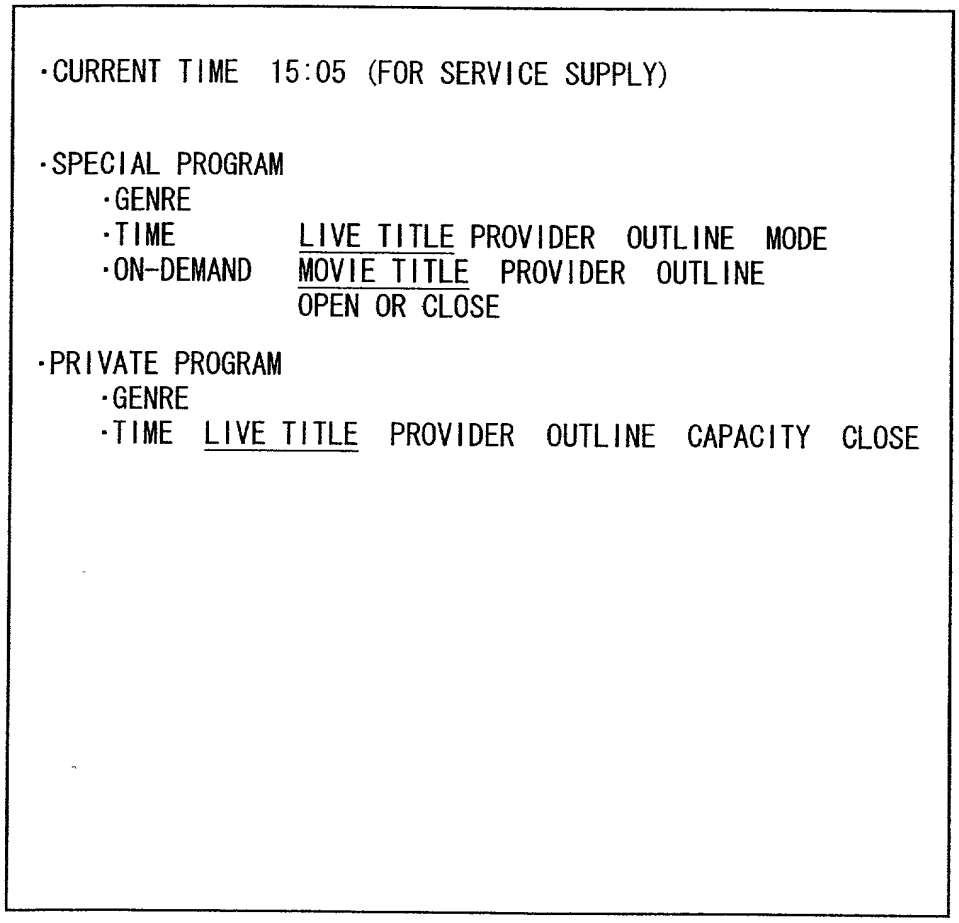

·CURRENT TIME 15:05 (FOR SERVICE SUPPLY)
·SPECIAL PROGRAM
·GENRE
·TIME LIVE TITLE PROVIDER OUTLINE MODE
·ON-DEMAND MOVIE TITLE PROVIDER OUTLINE
OPEN OR CLOSE
·PRIVATE PROGRAM
·GENRE
·TIME LIVE TITLE PROVIDER OUTLINE CAPACITY CLOSE

FIG. 15

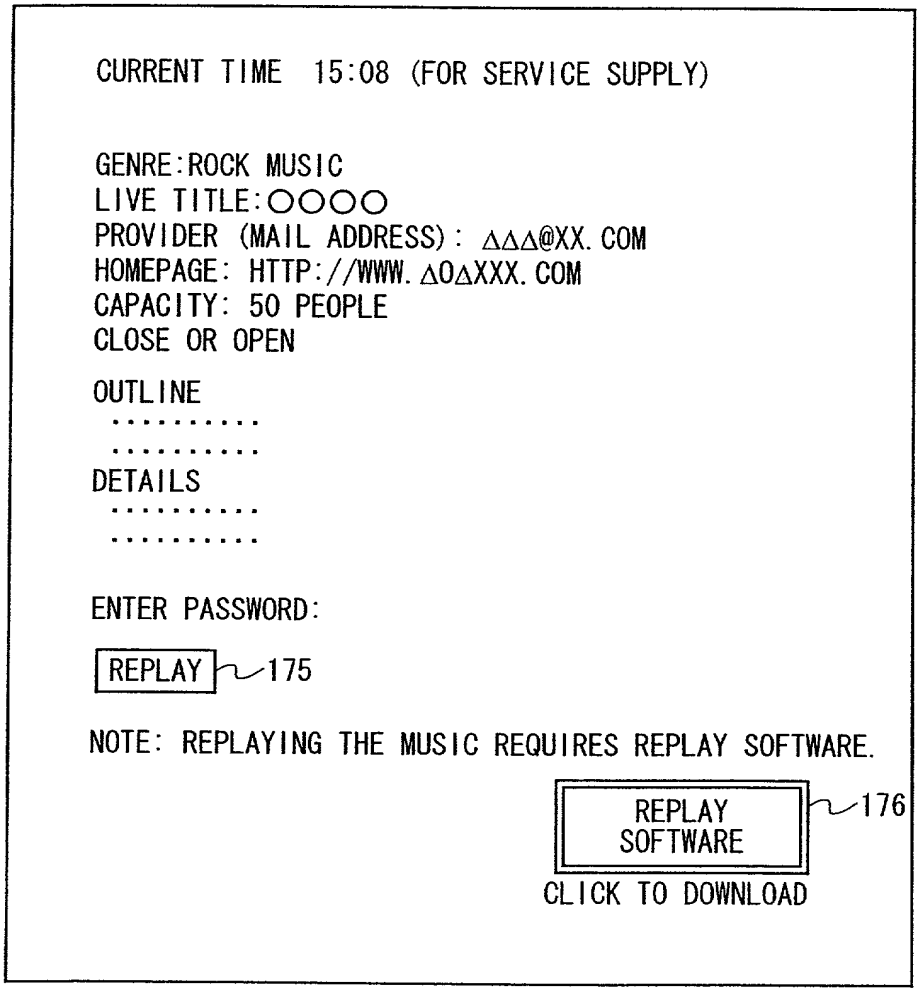

CURRENT TIME 15:08 (FOR SERVICE SUPPLY)
GENRE:ROCK MUSIC
LIVE TITLE:○○○○
PROVIDER (MAIL ADDRESS): △△△@XX.COM
HOMEPAGE: HTTP://WWW.△○△XXX.COM
CAPACITY: 50 PEOPLE
CLOSE OR OPEN
OUTLINE
.....
.....
DETAILS
.....
.....
ENTER PASSWORD:
REPLAY
175
NOTE: REPLAYING THE MUSIC REQUIRES REPLAY SOFTWARE.
REPLAY SOFTWARE
176
CLICK TO DOWNLOAD

FIG. 16

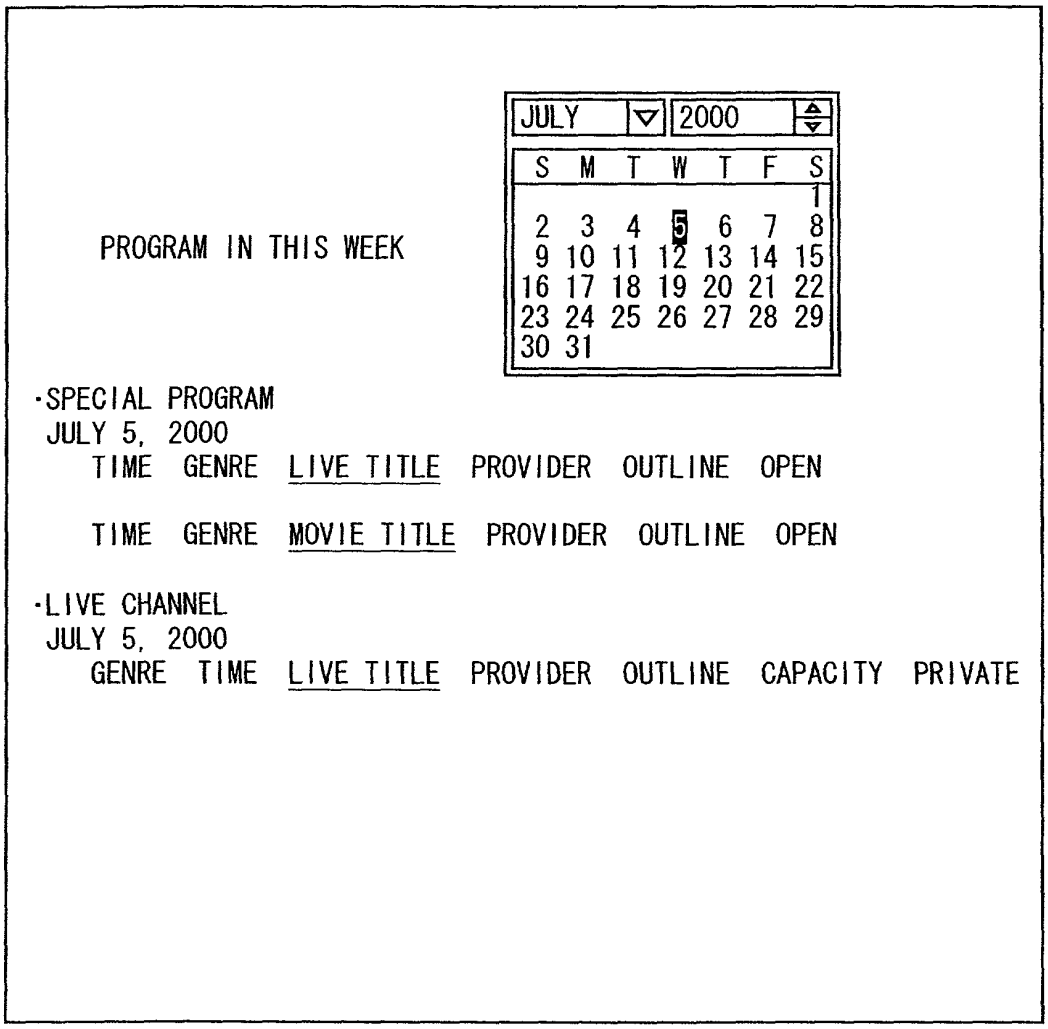

JULY
2000
S M T W T F S
1
2 3 4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31
PROGRAM IN THIS WEEK
·SPECIAL PROGRAM
JULY 5, 2000
TIME GENRE LIVE TITLE PROVIDER OUTLINE OPEN
TIME GENRE MOVIE TITLE PROVIDER OUTLINE OPEN
·LIVE CHANNEL
JULY 5, 2000
GENRE TIME LIVE TITLE PROVIDER OUTLINE CAPACITY PRIVATE

FIG. 17

10/089083

09/10/2002 08:08:00

THE CONTENTS OF RESERVATION	USER ID	BILLING FLAG INFORMATION	RESERVATION ID
·DATE/TIME ·2ch ·64kbps . . .	○○○○	ENABLED	××××
·DATE/TIME ·4ch ·28.8kbps . . .	×△○○	DISABLED	△△△△

FIG. 18

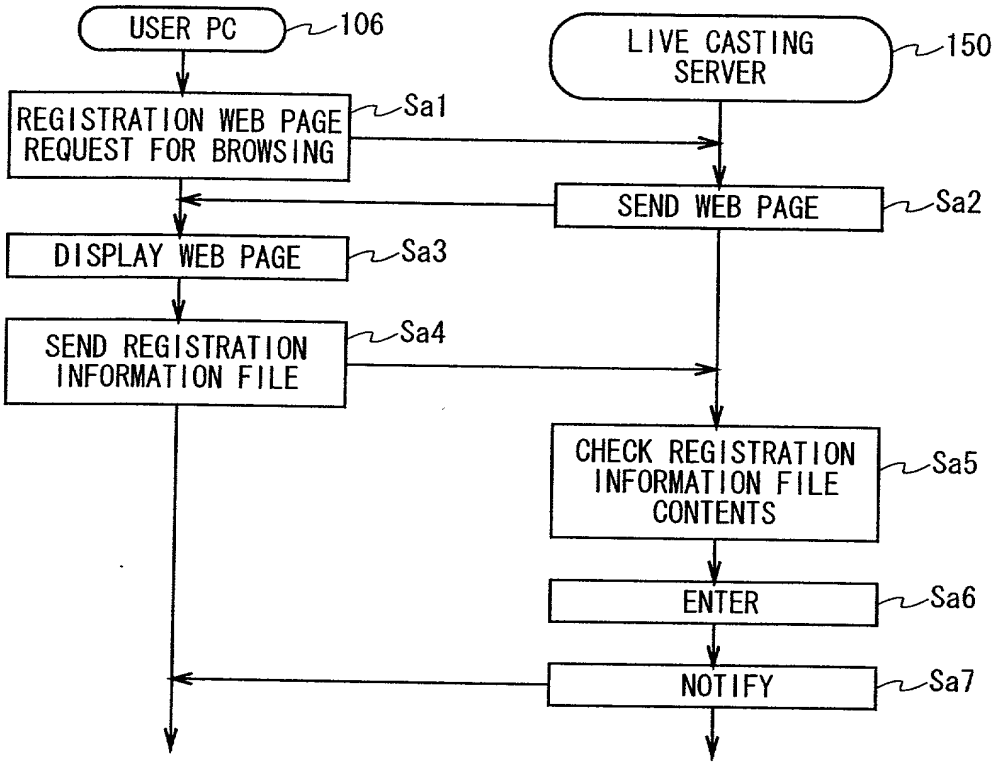

USER PC
106
LIVE CASTING SERVER
150
REGISTRATION WEB PAGE REQUEST FOR BROWSING
Sa1
SEND WEB PAGE
Sa2
DISPLAY WEB PAGE
Sa3
SEND REGISTRATION INFORMATION FILE
Sa4
CHECK REGISTRATION INFORMATION FILE CONTENTS
Sa5
ENTER
Sa6
NOTIFY
Sa7

FIG. 19

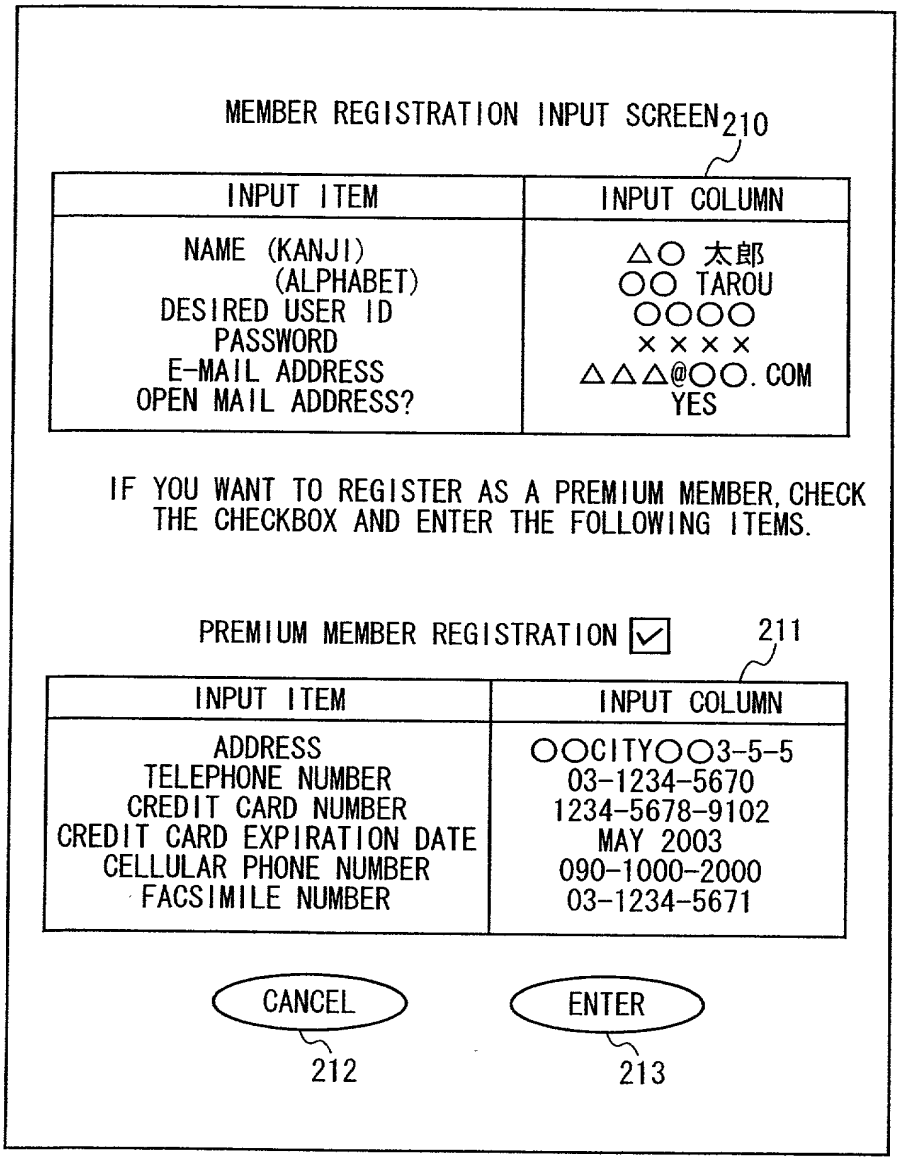

MEMBER REGISTRATION INPUT SCREEN
210
INPUT ITEM
INPUT COLUMN
NAME (KANJI)
△○ 太郎
(ALPHABET)
○○ TAROU
DESIRED USER ID
○○○○
PASSWORD
× × × ×
E-MAIL ADDRESS
△△△@○○.COM
OPEN MAIL ADDRESS?
YES
IF YOU WANT TO REGISTER AS A PREMIUM MEMBER, CHECK THE CHECKBOX AND ENTER THE FOLLOWING ITEMS.
PREMIUM MEMBER REGISTRATION ☑
211
INPUT ITEM
INPUT COLUMN
ADDRESS
○○CITY○○3-5-5
TELEPHONE NUMBER
03-1234-5670
CREDIT CARD NUMBER
1234-5678-9102
CREDIT CARD EXPIRATION DATE
MAY 2003
CELLULAR PHONE NUMBER
090-1000-2000
FACSIMILE NUMBER
03-1234-5671
CANCEL
212
ENTER
213

FIG. 20

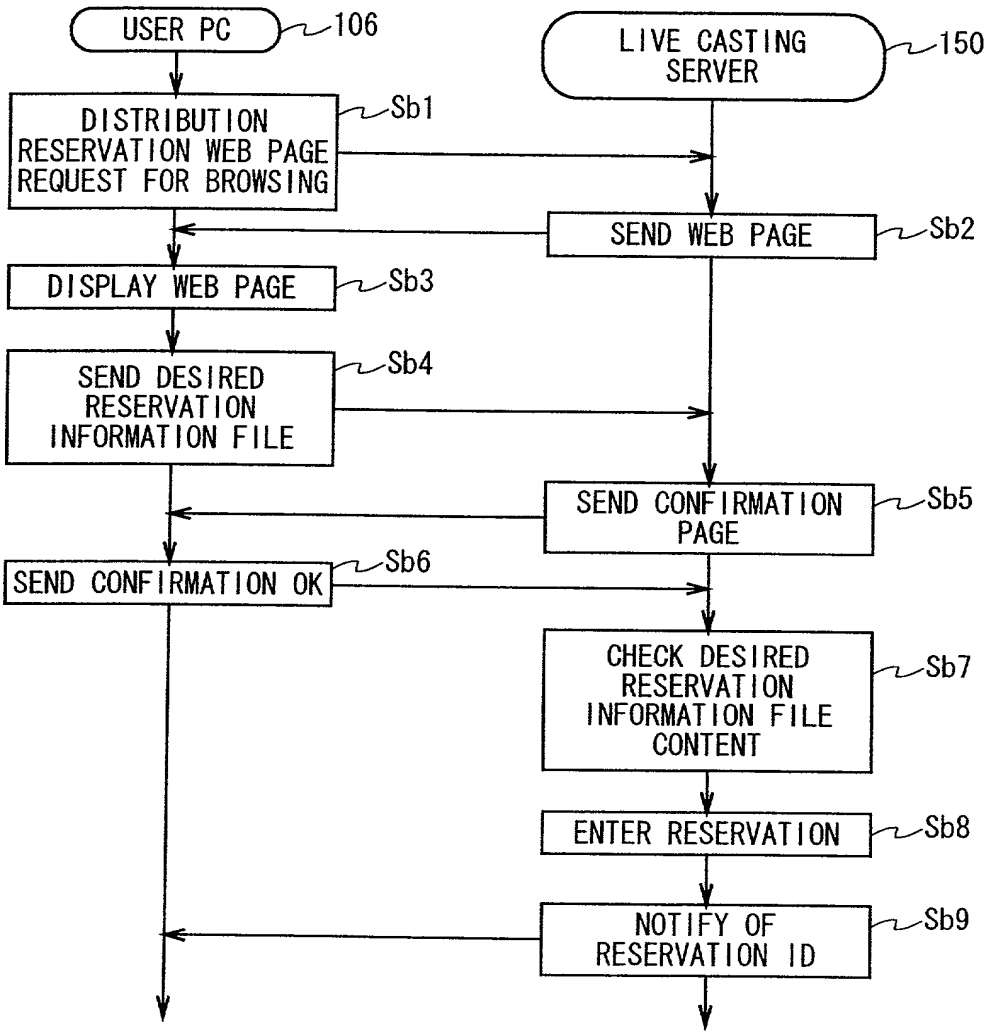

USER PC
106
LIVE CASTING SERVER
150
DISTRIBUTION RESERVATION WEB PAGE REQUEST FOR BROWSING
Sb1
SEND WEB PAGE
Sb2
DISPLAY WEB PAGE
Sb3
SEND DESIRED RESERVATION INFORMATION FILE
Sb4
SEND CONFIRMATION PAGE
Sb5
SEND CONFIRMATION OK
Sb6
CHECK DESIRED RESERVATION INFORMATION FILE CONTENT
Sb7
ENTER RESERVATION
Sb8
NOTIFY OF RESERVATION ID
Sb9

FIG. 21

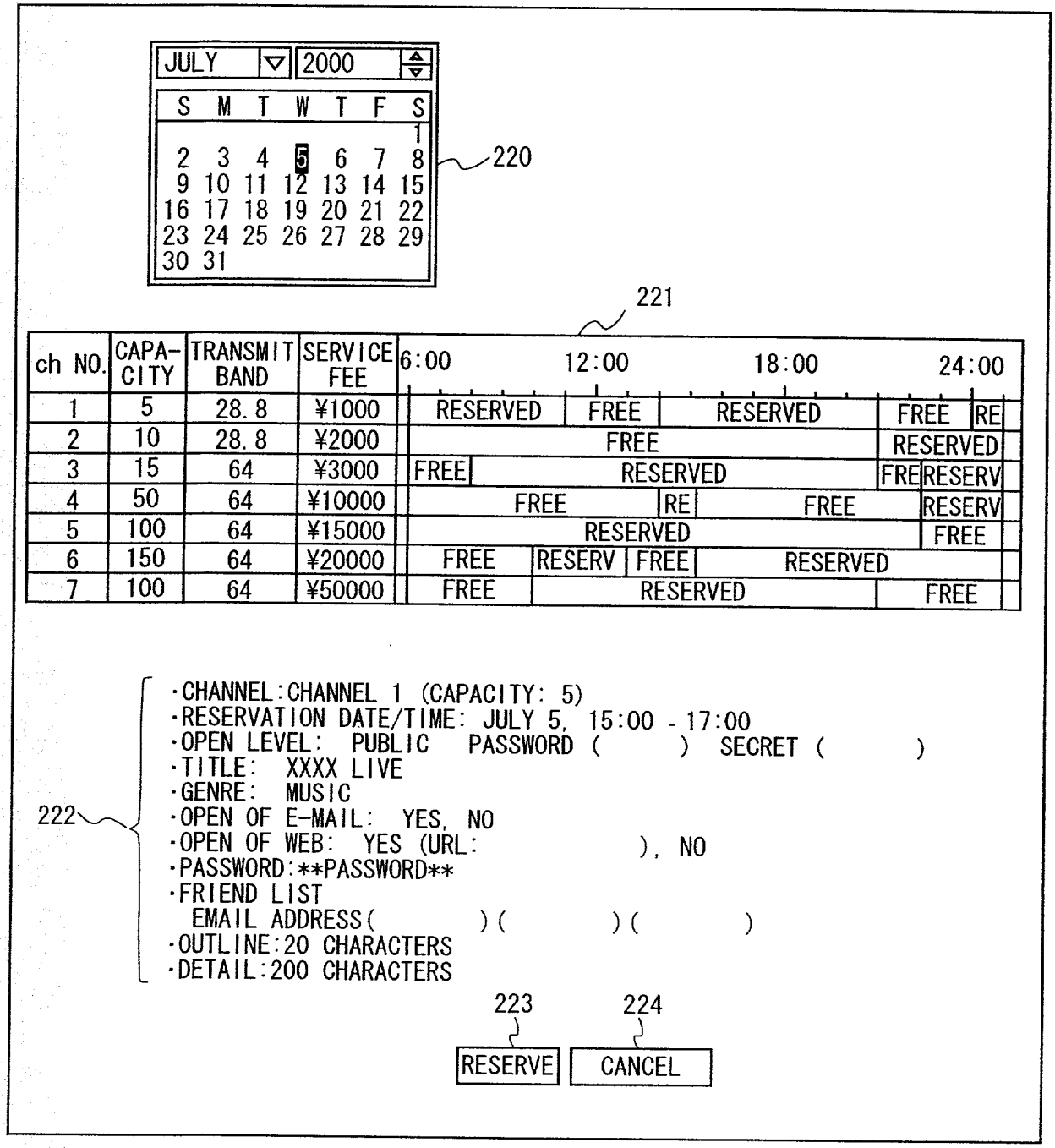

JULY
2000
S M T W T F S
1
2 3 4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31
220
221
ch NO. | CAPACITY | TRANSMIT BAND | SERVICE FEE | 6:00 12:00 18:00 24:00
1 | 5 | 28.8 | ¥1000 | RESERVED | FREE | RESERVED | FREE | RE
2 | 10 | 28.8 | ¥2000 | FREE | RESERVED
3 | 15 | 64 | ¥3000 | FREE | RESERVED | FRE | RESERV
4 | 50 | 64 | ¥10000 | FREE | RE | FREE | RESERV
5 | 100 | 64 | ¥15000 | RESERVED | FREE
6 | 150 | 64 | ¥20000 | FREE | RESERV | FREE | RESERVED
7 | 100 | 64 | ¥50000 | FREE | RESERVED | FREE
222
·CHANNEL:CHANNEL 1 (CAPACITY: 5)
·RESERVATION DATE/TIME: JULY 5, 15:00 - 17:00
·OPEN LEVEL: PUBLIC PASSWORD ( ) SECRET ( )
·TITLE: XXXX LIVE
·GENRE: MUSIC
·OPEN OF E-MAIL: YES, NO
·OPEN OF WEB: YES (URL:), NO
·PASSWORD:**PASSWORD**
·FRIEND LIST
EMAIL ADDRESS( )( )( )
·OUTLINE:20 CHARACTERS
·DETAIL:200 CHARACTERS
223
224
RESERVE
CANCEL

FIG. 22

JP020530.000504

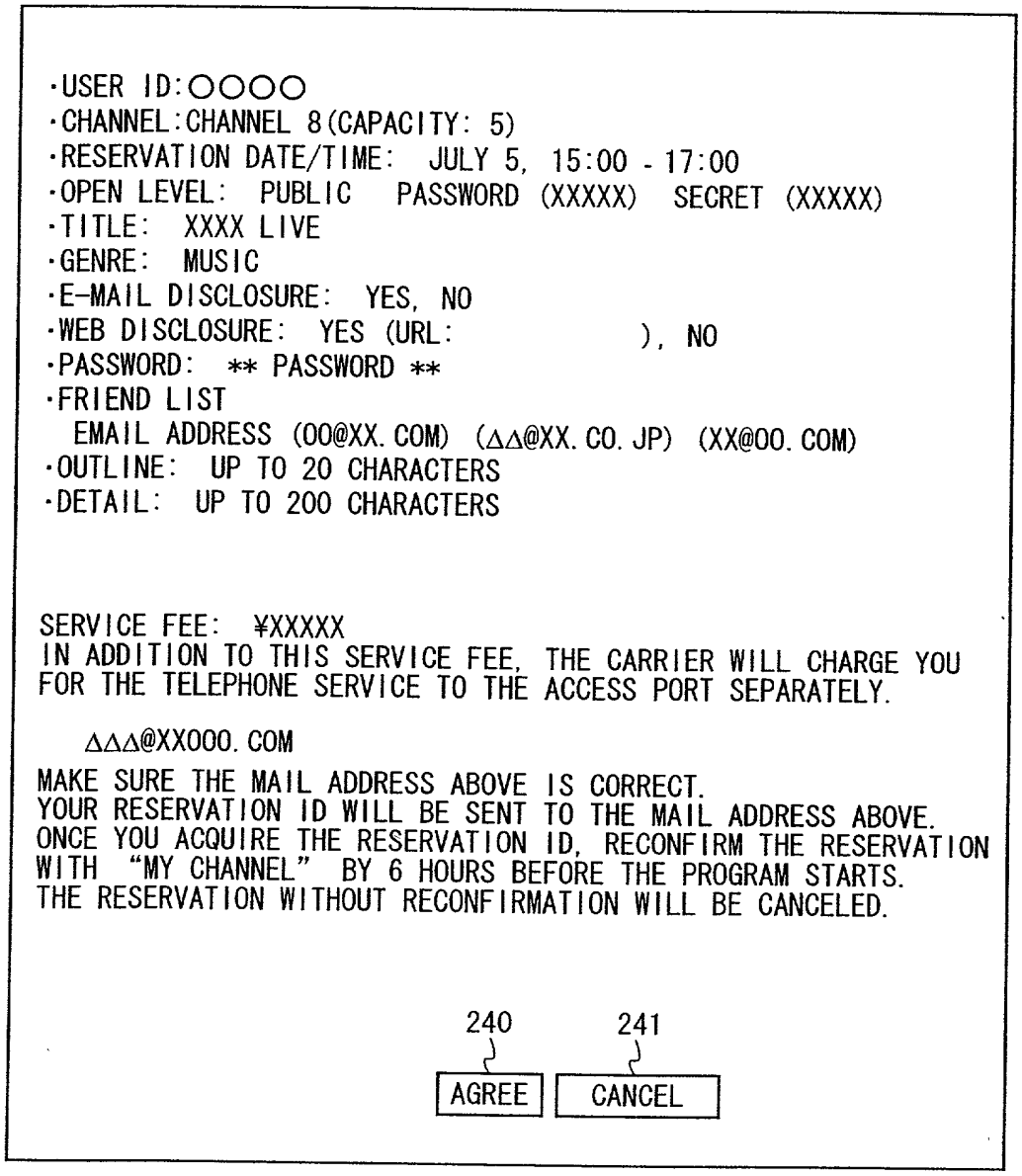


FIG. 23

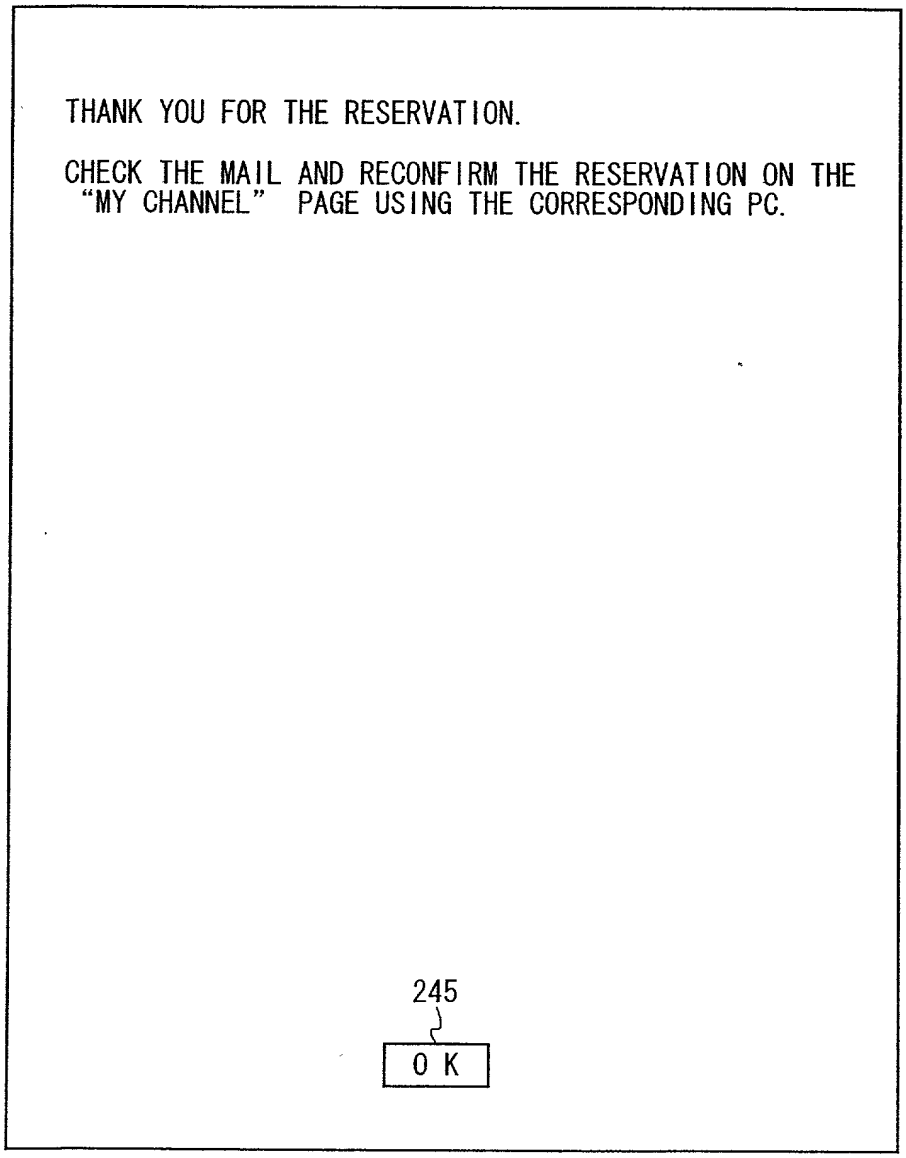

THANK YOU FOR THE RESERVATION.
CHECK THE MAIL AND RECONFIRM THE RESERVATION ON THE "MY CHANNEL" PAGE USING THE CORRESPONDING PC.
245
O K

FIG. 24

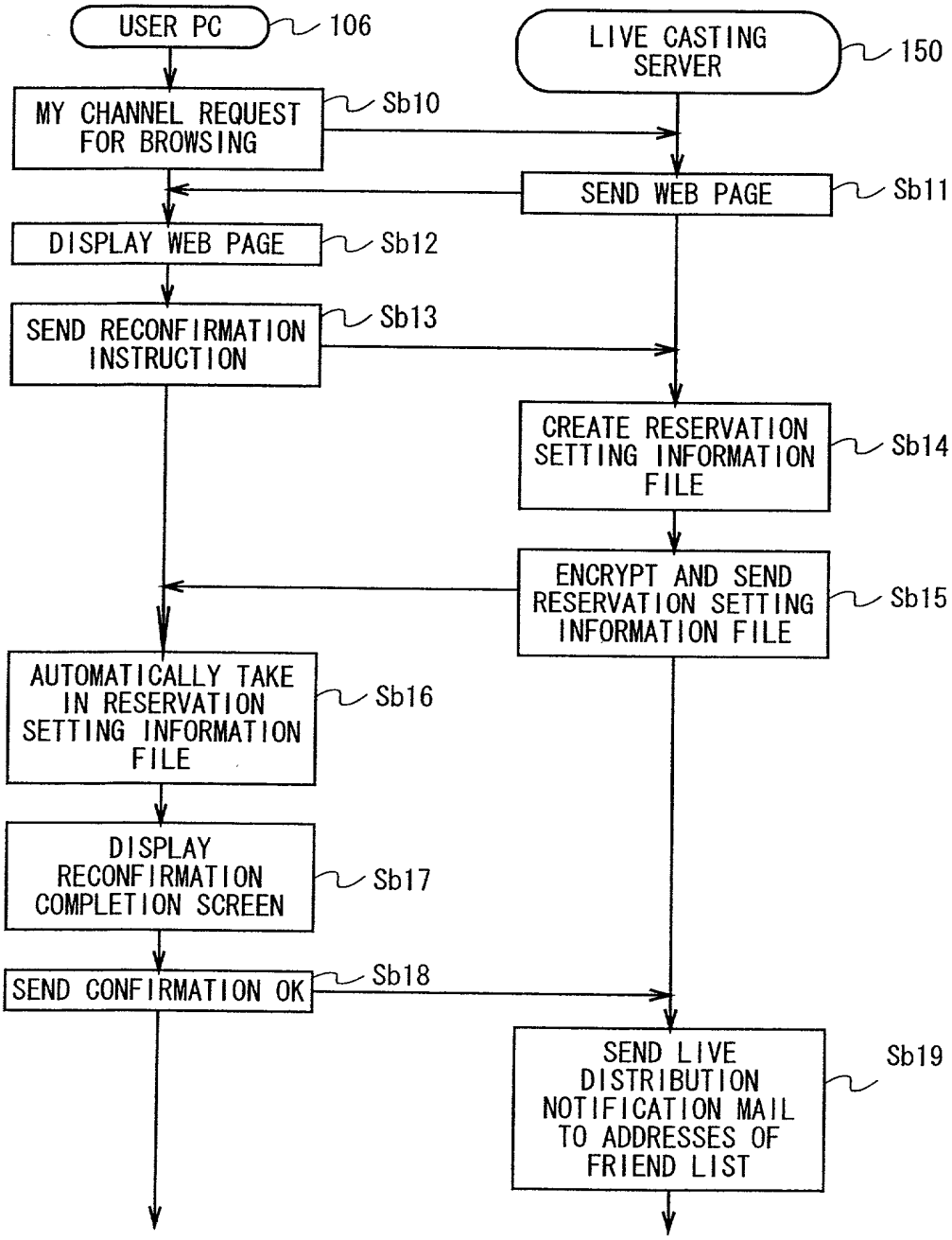

USER PC
106
LIVE CASTING SERVER
150
MY CHANNEL REQUEST FOR BROWSING
Sb10
SEND WEB PAGE
Sb11
DISPLAY WEB PAGE
Sb12
SEND RECONFIRMATION INSTRUCTION
Sb13
CREATE RESERVATION SETTING INFORMATION FILE
Sb14
ENCRYPT AND SEND RESERVATION SETTING INFORMATION FILE
Sb15
AUTOMATICALLY TAKE IN RESERVATION SETTING INFORMATION FILE
Sb16
DISPLAY RECONFIRMATION COMPLETION SCREEN
Sb17
SEND CONFIRMATION OK
Sb18
SEND LIVE DISTRIBUTION NOTIFICATION MAIL TO ADDRESSES OF FRIEND LIST
Sb19

FIG. 25

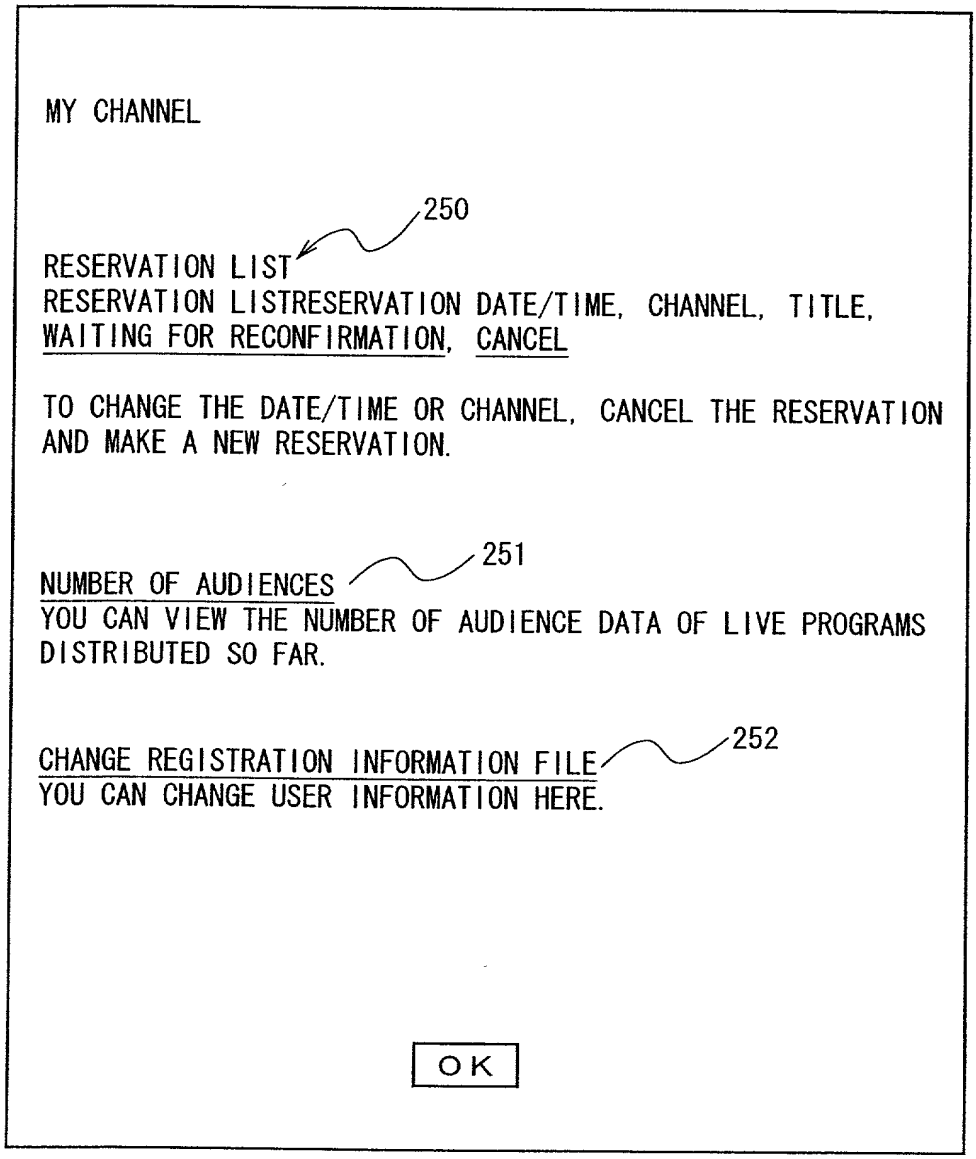

MY CHANNEL
250
RESERVATION LIST
RESERVATION LISTRESERVATION DATE/TIME, CHANNEL, TITLE, WAITING FOR RECONFIRMATION, CANCEL
TO CHANGE THE DATE/TIME OR CHANNEL, CANCEL THE RESERVATION AND MAKE A NEW RESERVATION.
251
NUMBER OF AUDIENCES
YOU CAN VIEW THE NUMBER OF AUDIENCE DATA OF LIVE PROGRAMS DISTRIBUTED SO FAR.
252
CHANGE REGISTRATION INFORMATION FILE
YOU CAN CHANGE USER INFORMATION HERE.
OK

FIG. 26

09/089083 PCT/JP00/06504

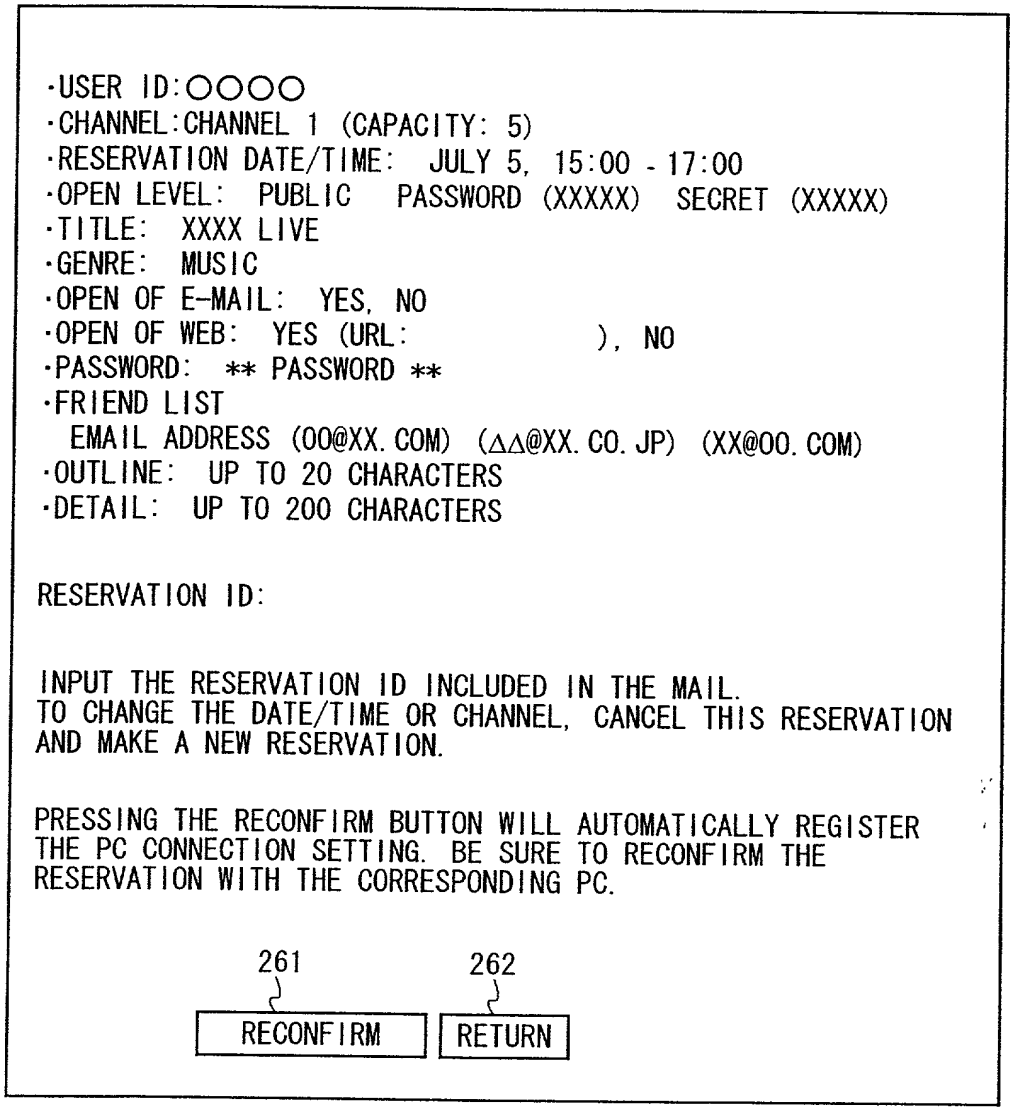


FIG. 27

09089083 - 020504

USER ID:○○○○
LIVE DISTRIBUTION RESERVATION DATE/TIME: 2000:07:05:15:00:00-2000:07:05:17:00:00
SERVER ACCESSIBLE TIME: 2000:07:05:14:55:00-2000:07:05:17:05:00

ACCESS TELEPHONE NUMBER
CARRIER 01:03-1234-5670
CARRIER 02:03-1234-5671
CARRIER 03:03-1234-5672
CARRIER 04:03-1234-5673

ACCESS SERVER INFORMATION
TYPE OF SERVER: REALSERVER5
SERVER NAME: LIVESERVER.COM
CONNECTION PORT: 555
STREAM PATH TO SERVER: /CHANNELL/STREAM.RM

ADDRESS INFORMATION FOR DISTRIBATION REQUEST:
rtsp//liveserver.com:554/channell/stream.rm
TRANSMISSION BAND: 28.8KBPS
TITLE: XXXX LIVE
OUTLINE:.....
OPEN LEVEL:.....
FRIEND LIST ADDRESS INFORMATION
LIST 01: OO@XX.COM
LIST 02: ΔΔ@XX.CO.JP
LIST 03:XX@OO.COM
PASSWORD FOR DISTRIBUTION REQUEST: XXXX

FIG. 28

09/089083 03/26/2002

16:16 (FOR SERVICE SUPPLY)
16:09 (YOUR PC)

THE RESERVATION HAS BEEN ACCEPTED.
AS SHOWN ABOVE, THERE IS A TIME DIFFERENCE BETWEEN THE SERVICE SUPPLY TIME AND YOUR PC TIME.
NOTE THAT THE RESERVED DISTRIBUTION WILL BE PERFORMED AT THE SERVICE SUPPLY TIME.
YOU CAN ACCESS THE SITE FROM 5 MINUTES BEFORE THE RESERVED TIME.

IF YOU USE A DIALUP ROUTER, REGISTER THE FOLLOWING AS THE DIAL ADDRESS. IN THIS CASE, ONLY CONNECTION VIA ISDN IS AVAILABLE.

ISDN ACCESS PORT NUMBER: 03-1234-5679
LOG IN ID: RESERVATION ID
PASSWORD: XXXXXXX

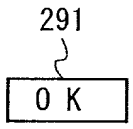


FIG. 29

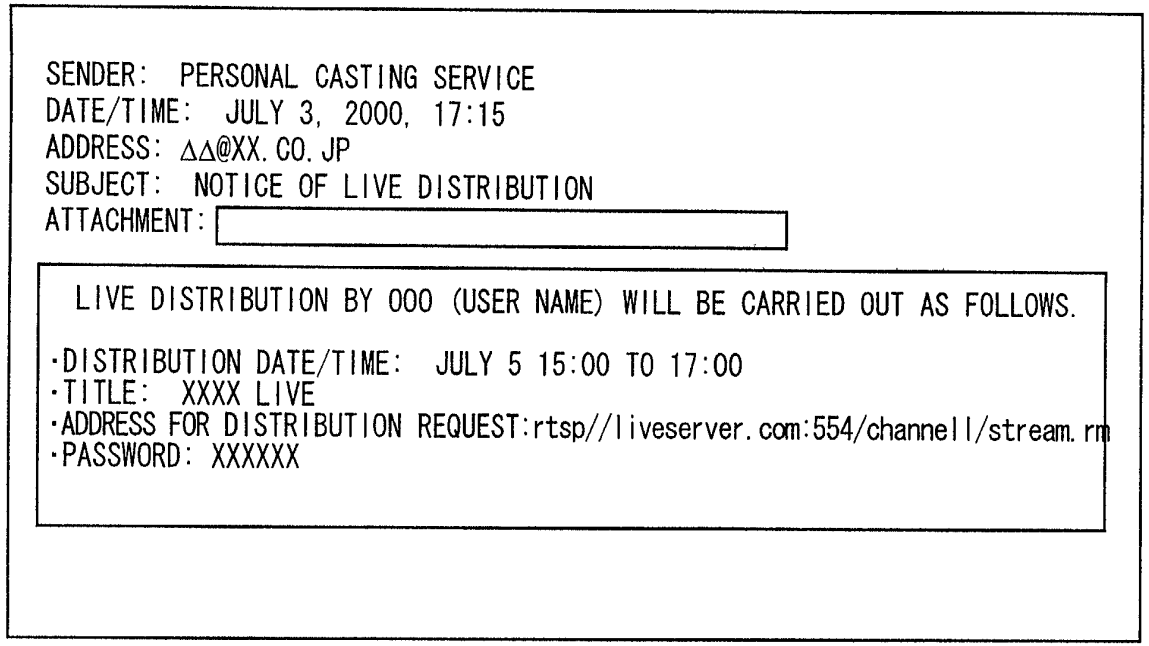


FIG. 30

OBLON ET AL (703) 413-3000
DOCKET #220741US SHEET 30 OF 43
10/089083

09/089083 03/29/2002

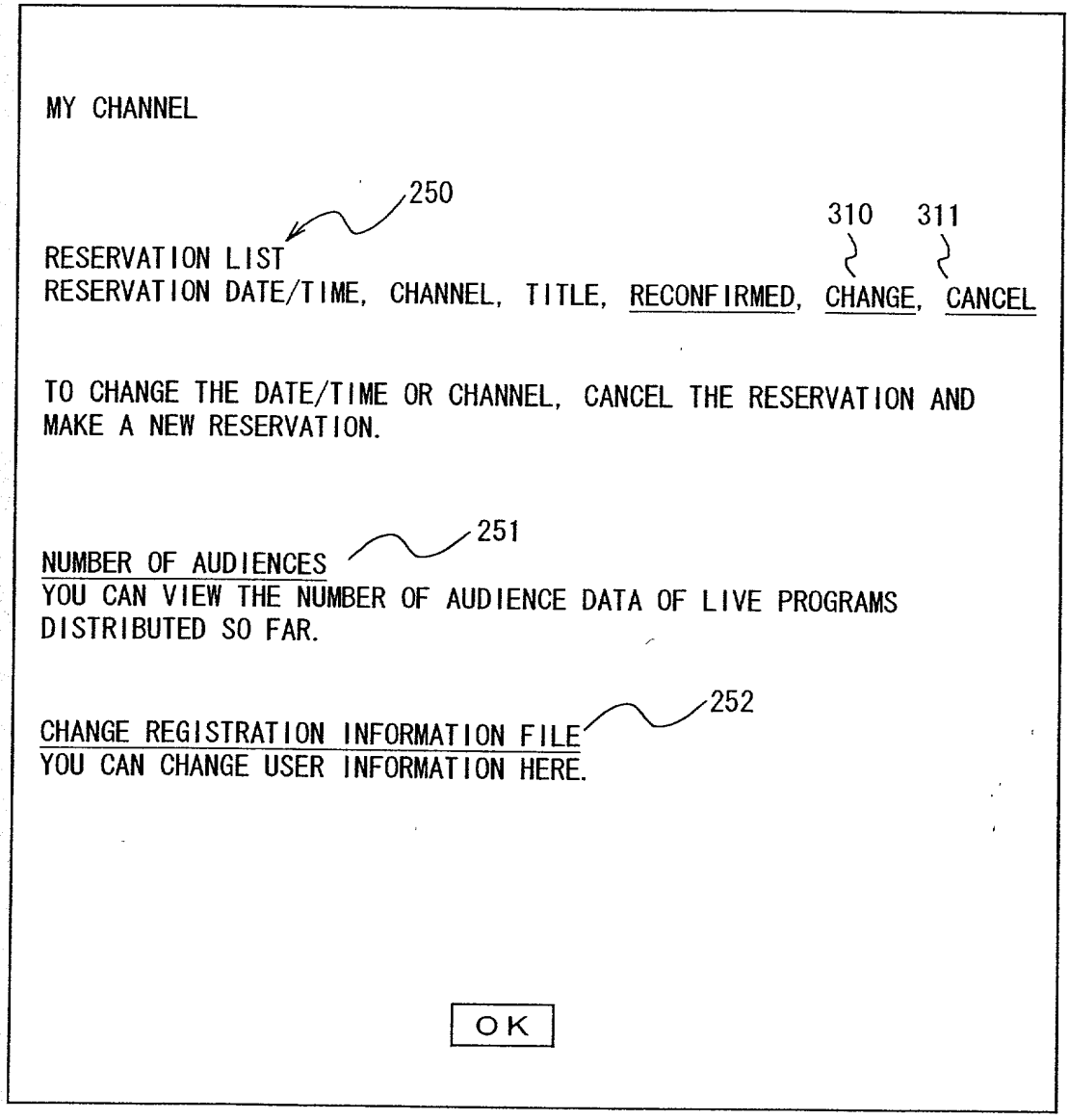


FIG. 31

JP020349 09.03.2007

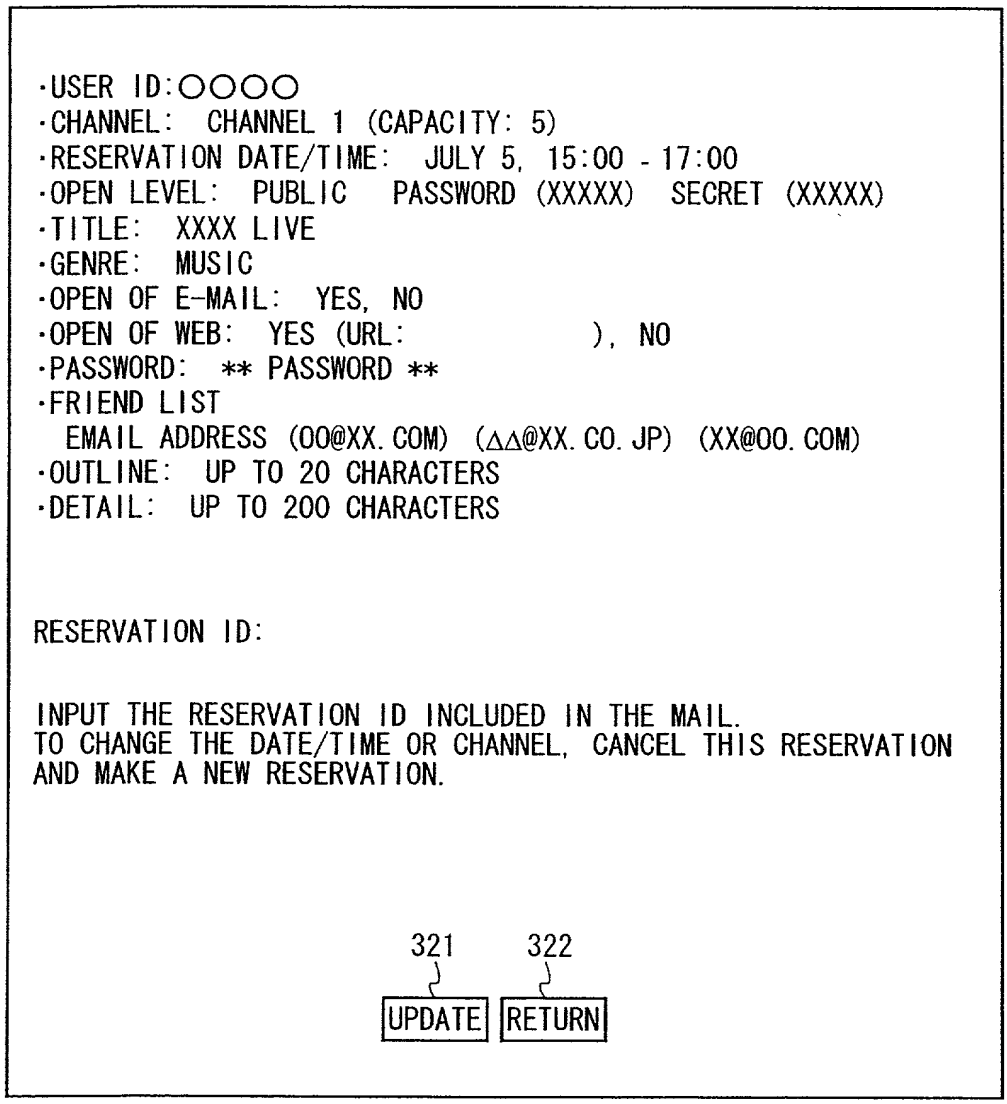


FIG. 32

17:08 (FOR SERVICE SUPPLY)
17:11 (YOUR PC)

THE CHANGE HAS BEEN ACCEPTED.
AS SHOWN ABOVE, THERE IS A TIME DIFFERENCE BETWEEN THE SERVICE SUPPLY TIME AND YOUR PC TIME.
NOTE THAT THE RESERVED DISTRIBUTION WILL BE PERFORMED AT THE SERVICE SUPPLY TIME.
YOU CAN ACCESS THE SITE FROM 5 MINUTES BEFORE THE RESERVED TIME.

IF YOU USE A DIALUP ROUTER, REGISTER THE FOLLOWING AS THE DIAL ADDRESS. IN THIS CASE, ONLY CONNECTION VIA ISDN IS AVAILABLE.

ISDN ACCESS PORT NUMBER:
LOG IN ID: RESERVATION ID
PASSWORD: XXXXXXX

331

O K

FIG. 33

10/089087

09089087 020304

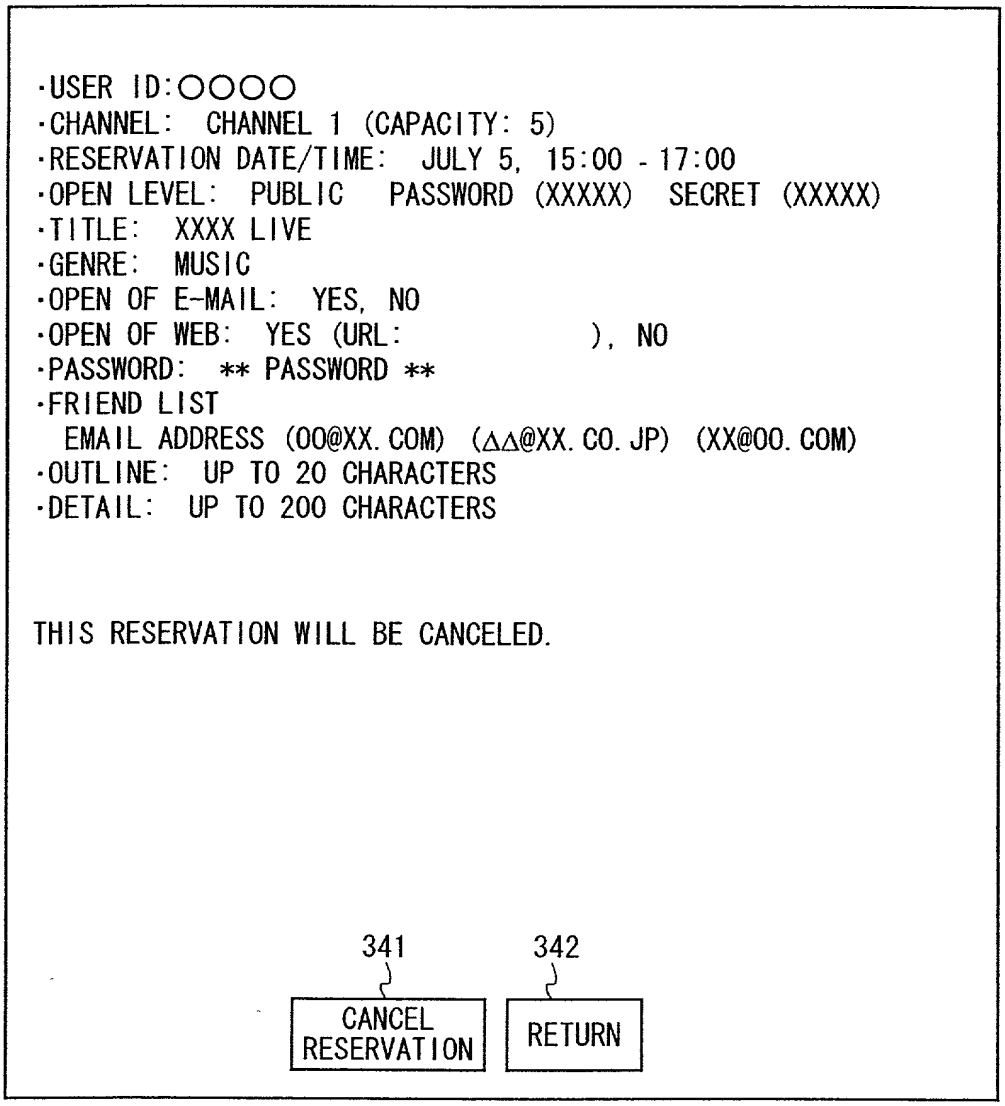


FIG. 34

DOCKET NO: 220741US6PCT

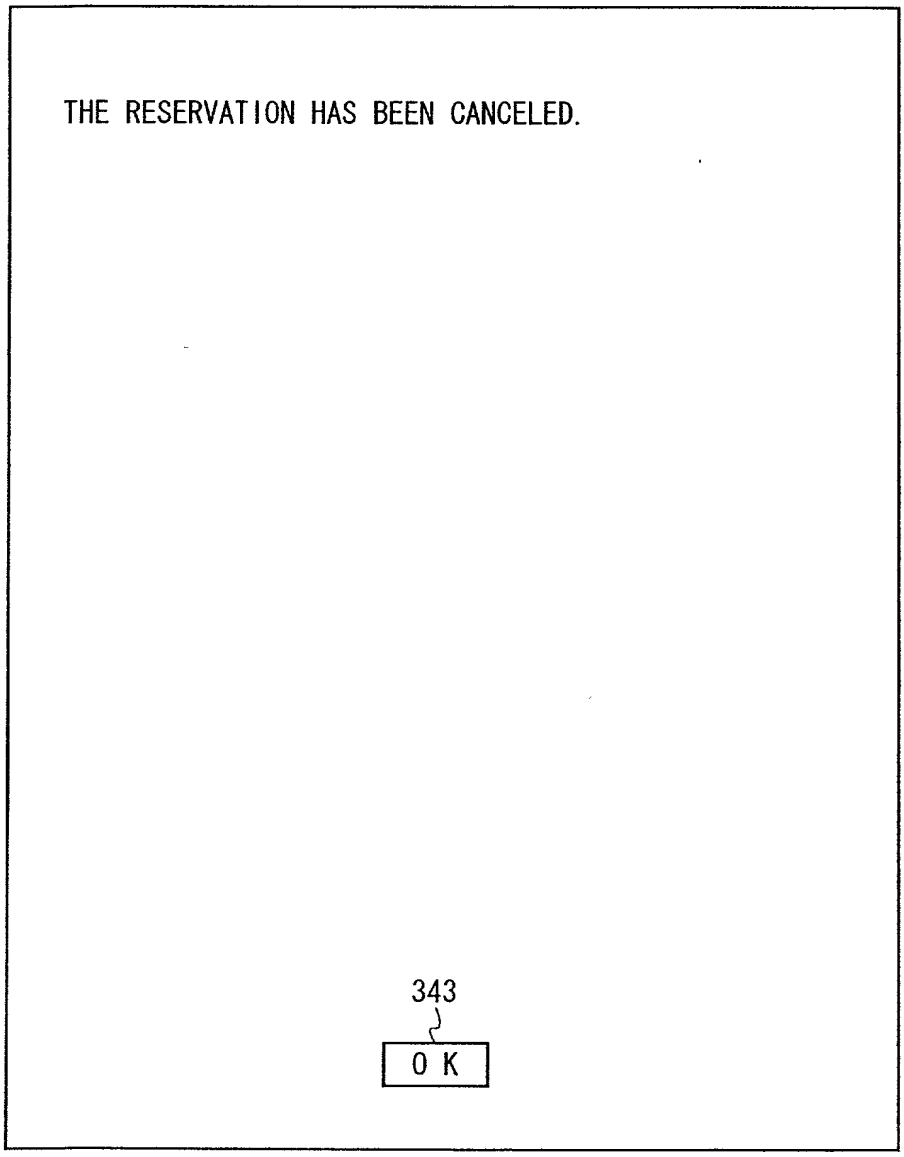


FIG. 35

JP020605 09.04.03

·USER ID:○○○○
·CHANNEL: CHANNEL 1 (CAPACITY: 5)
·RESERVATION DATE/TIME: JULY 5, 15:00 - 17:00
·OPEN LEVEL: PUBLIC PASSWORD (XXXXX) SECRET (XXXXX)
·TITLE: XXXX LIVE
·GENRE: MUSIC
·OPEN OF E-MAIL: YES, NO
·OPNE OF DISCLOSURE: YES (URL:), NO
·PASSWORD: ** PASSWORD **
·FRIEND LIST
EMAIL ADDRESS (OO@XX.COM) (ΔΔ@XX.CO.JP) (XX@OO.COM)
·OUTLINE: UP TO 20 CHARACTERS
·DETAIL: UP TO 200 CHARACTERS

RESERVATION ID:

IF YOU USE A DIALUP ROUTER, REGISTER THE FOLLOWING AS THE DIAL ADDRESS. IN THIS CASE, ONLY CONNECTION VIA ISDN IS AVAILABLE.

ISDN ACCESS PORT NUMBER:
LOG IN ID: RESERVATION ID
PASSWORD: XXXXXXX

361 362

REENTER PC CONNECTION SETTING | RETURN

FIG. 36

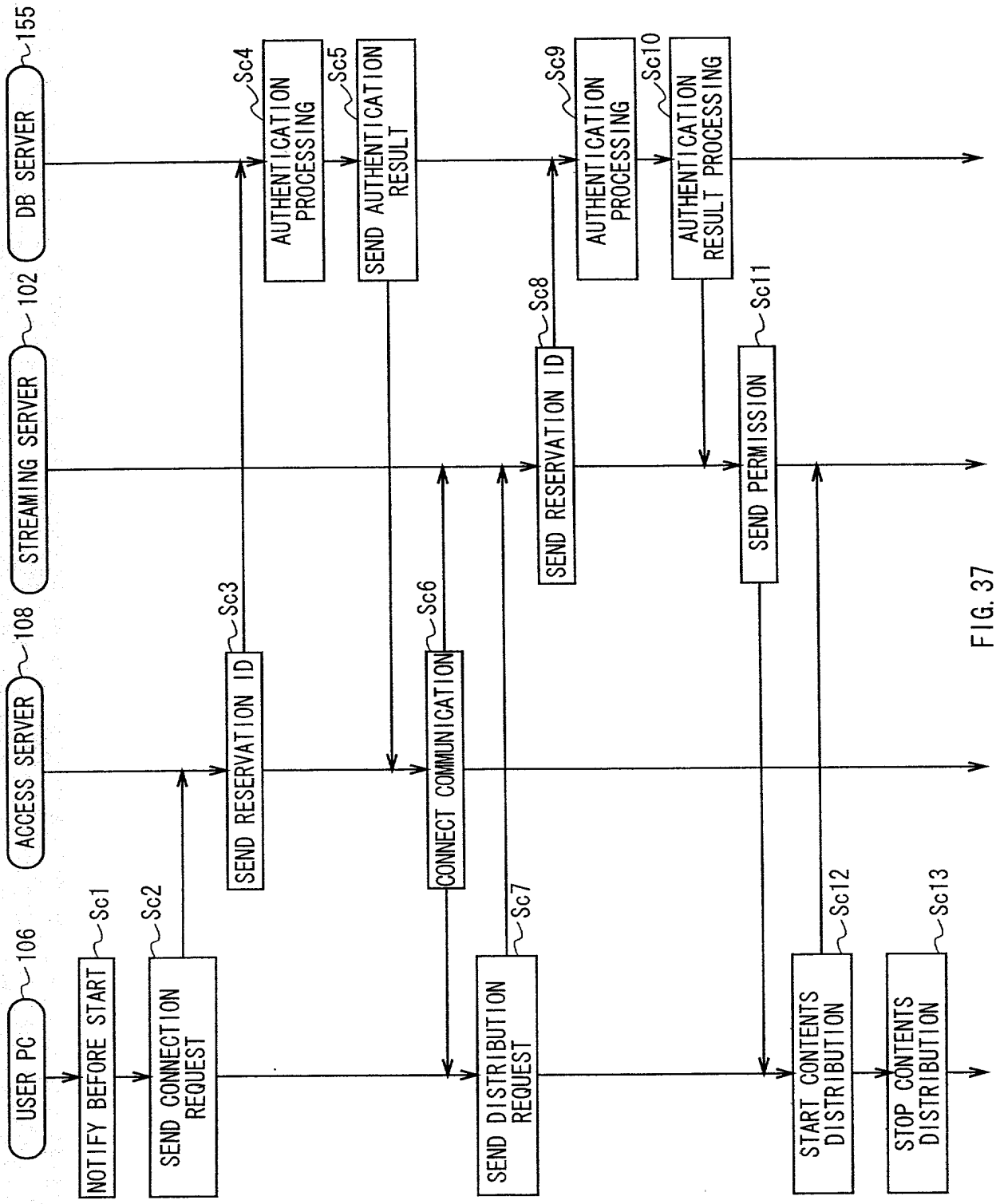

USER PC
106
ACCESS SERVER
108
STREAMING SERVER
102
DB SERVER
155
NOTIFY BEFORE START
Sc1
SEND CONNECTION REQUEST
Sc2
SEND RESERVATION ID
Sc3
AUTHENTICATION PROCESSING
Sc4
SEND AUTHENTICATION RESULT
Sc5
CONNECT COMMUNICATION
Sc6
SEND DISTRIBUTION REQUEST
Sc7
SEND RESERVATION ID
Sc8
AUTHENTICATION PROCESSING
Sc9
AUTHENTICATION RESULT PROCESSING
Sc10
SEND PERMISSION
Sc11
START CONTENTS DISTRIBUTION
Sc12
STOP CONTENTS DISTRIBUTION
Sc13

FIG. 37

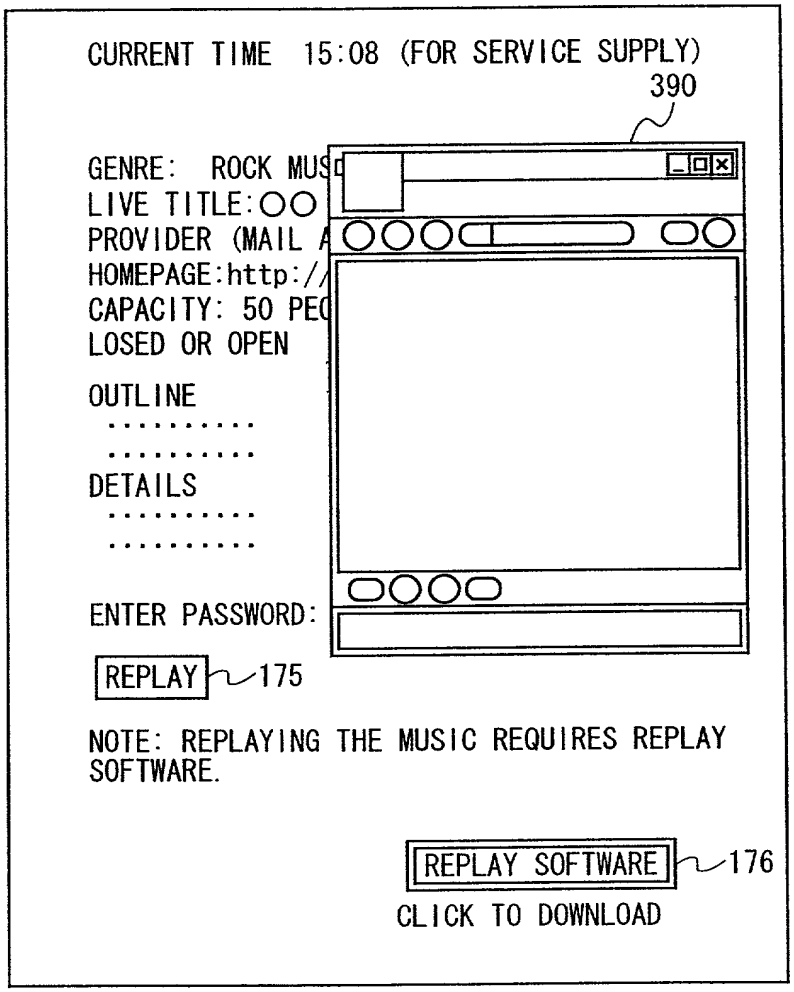

CURRENT TIME 15:08 (FOR SERVICE SUPPLY)
390
GENRE: ROCK MUS
LIVE TITLE:OO
PROVIDER (MAIL A
HOMEPAGE:http://
CAPACITY: 50 PEO
LOSED OR OPEN
OUTLINE
.....
.....
DETAILS
.....
.....
ENTER PASSWORD:
REPLAY
175
NOTE: REPLAYING THE MUSIC REQUIRES REPLAY SOFTWARE.
REPLAY SOFTWARE
176
CLICK TO DOWNLOAD

FIG. 38

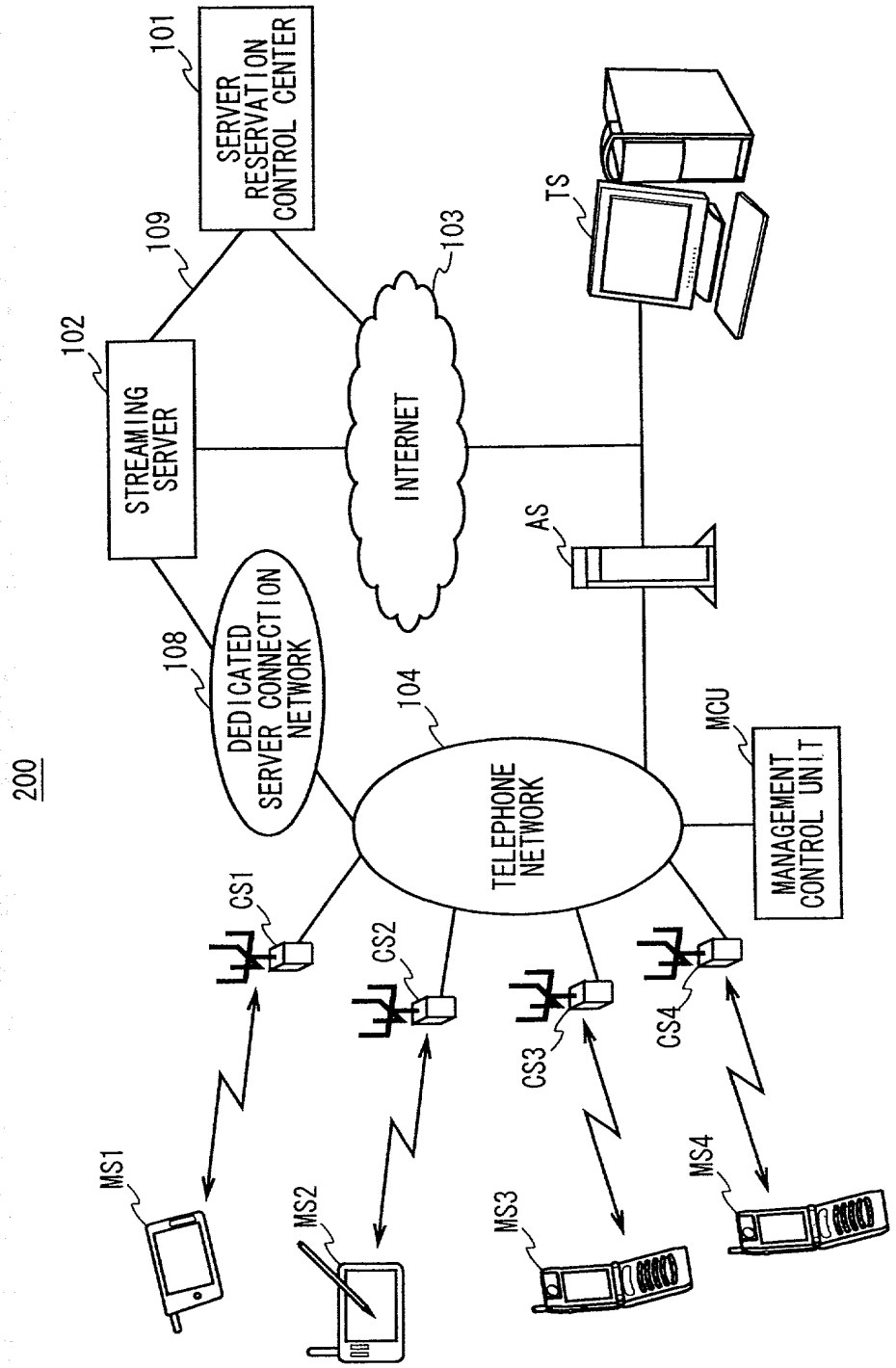

200
101
SERVER RESERVATION CONTROL CENTER
109
102
STREAMING SERVER
103
INTERNET
TS
AS
108
DEDICATED SERVER CONNECTION NETWORK
104
TELEPHONE NETWORK
MCU
MANAGEMENT CONTROL UNIT
CS1
CS2
CS3
CS4
MS1
MS2
MS3
MS4

FIG. 39

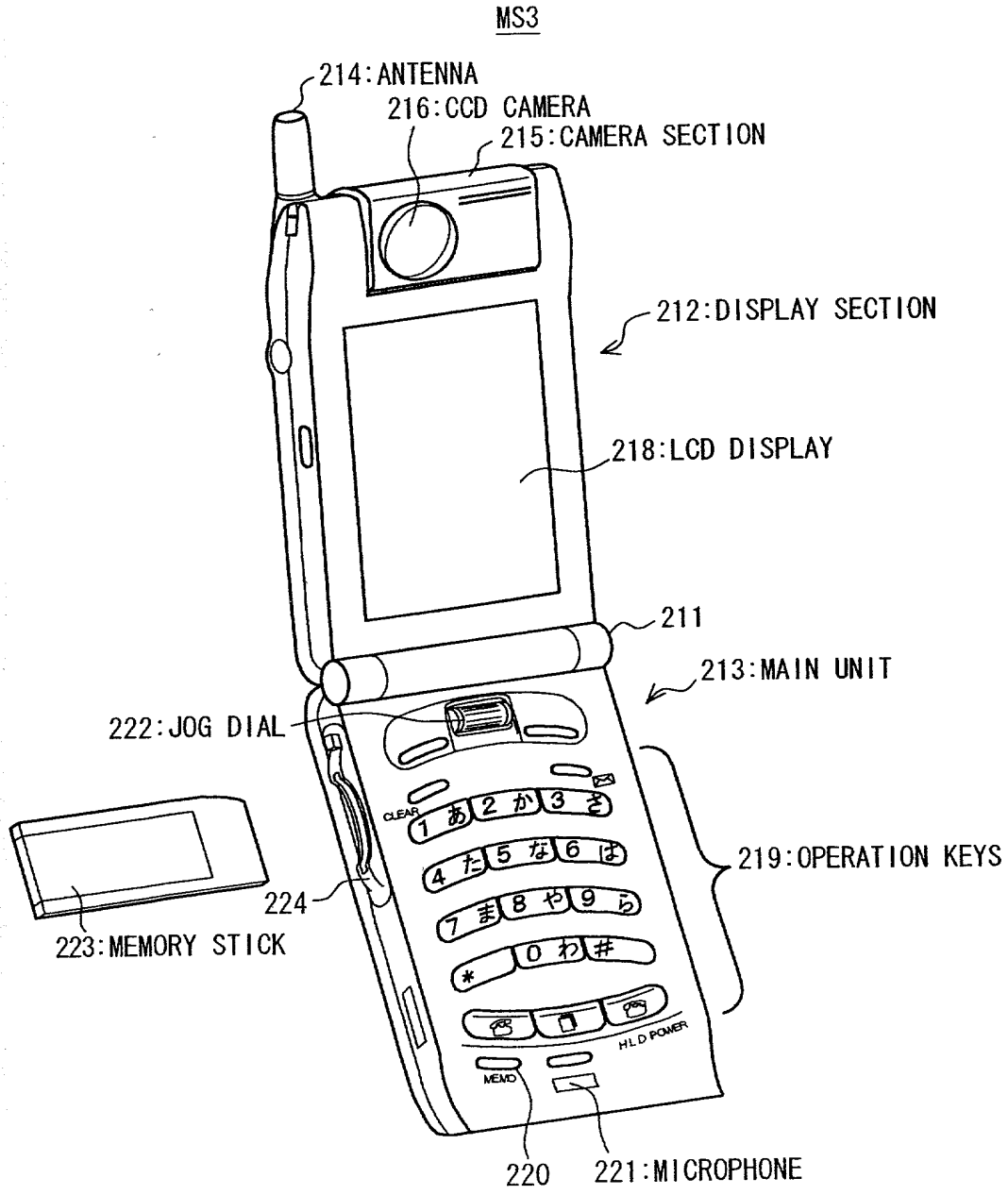

MS3
214:ANTENNA
216:CCD CAMERA
215:CAMERA SECTION
212:DISPLAY SECTION
218:LCD DISPLAY
211
213:MAIN UNIT
222:JOG DIAL
219:OPERATION KEYS
224
223:MEMORY STICK
220
221:MICROPHONE

FIG. 40

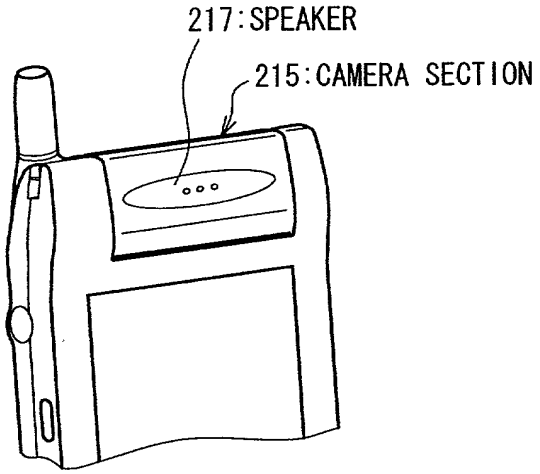


FIG. 41

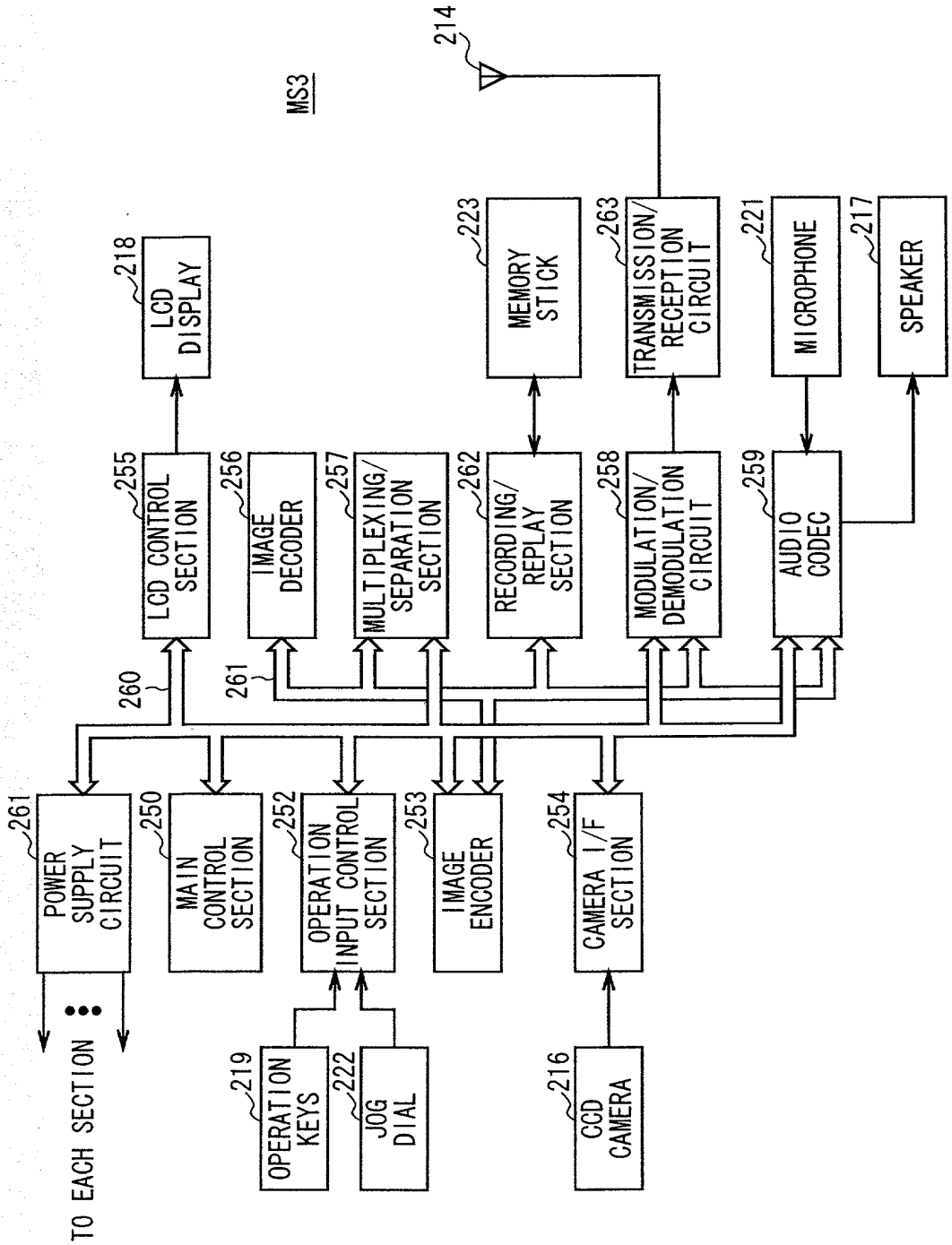

MS3
214
218
LCD DISPLAY
223
MEMORY STICK
263
TRANSMISSION/ RECEPTION CIRCUIT
221
MICROPHONE
217
SPEAKER
255
LCD CONTROL SECTION
256
IMAGE DECODER
257
MULTIPLEXING/ SEPARATION SECTION
262
RECORDING/ REPLAY SECTION
258
MODULATION/ DEMODULATION CIRCUIT
259
AUDIO CODEC
260
261
261
POWER SUPPLY CIRCUIT
250
MAIN CONTROL SECTION
252
OPERATION INPUT CONTROL SECTION
253
IMAGE ENCODER
254
CAMERA I/F SECTION
TO EACH SECTION
219
OPERATION KEYS
222
JOG DIAL
216
CCD CAMERA

FIG. 42

Explanation of Reference Numerals

100...content supply system, 101...server reservation control apparatus, 102...streaming server, 103...Internet, 104...telephone network, 106...user PC, 107...client PC, 108...dedicated server connection network, 150...live casting server, 151...reservation database, 152...user database, 153...NTP server, 154...network interface, 155...database server, 200...network system, MS3, MS4...camera-integrated digital cellular phone

Doc#: US10089083 Date: 2002-03-04